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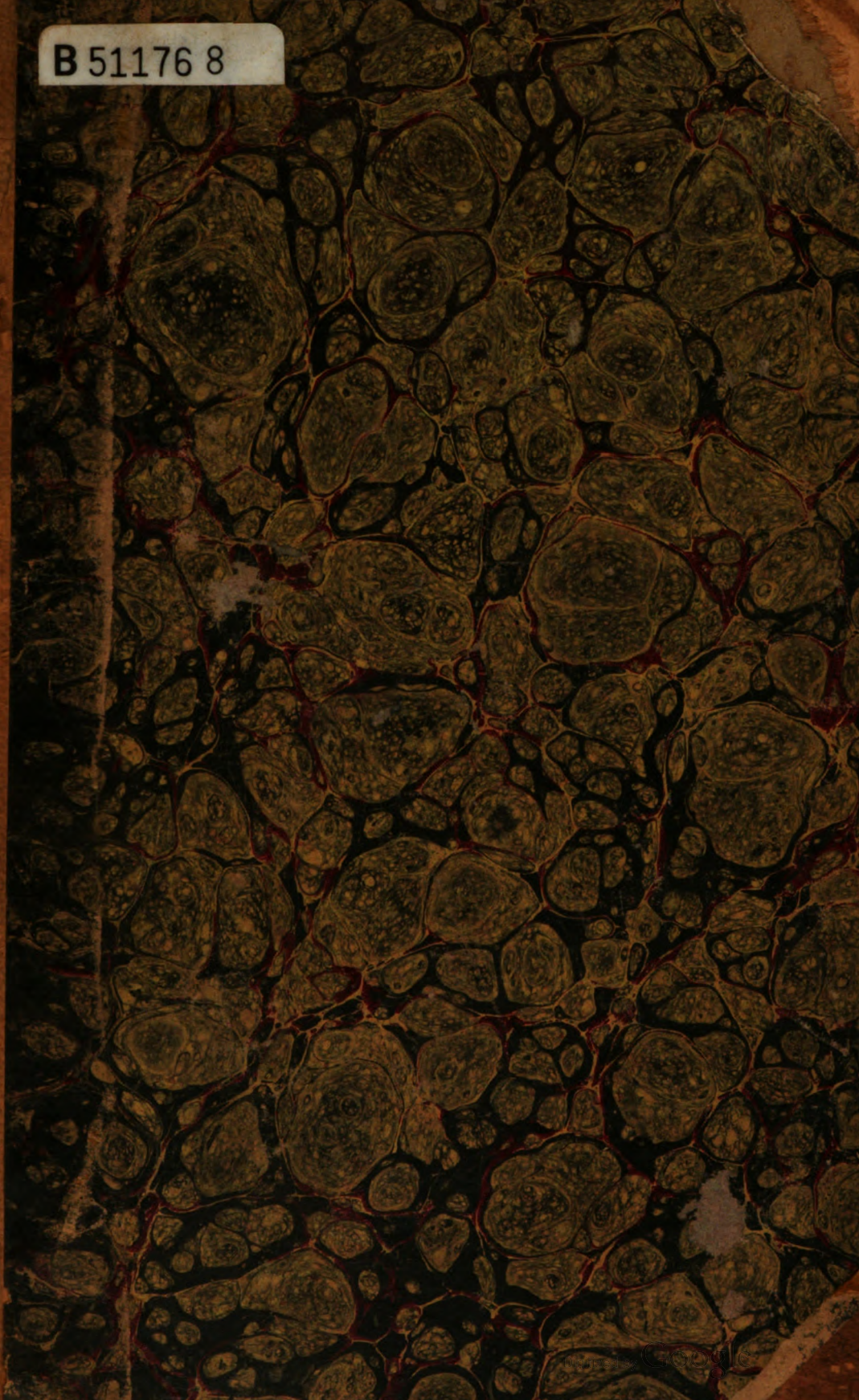
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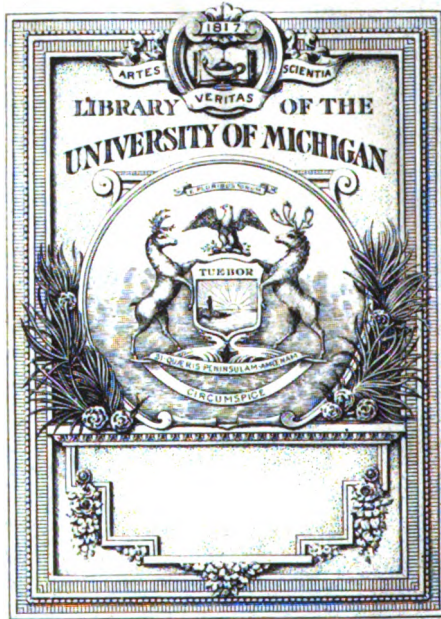
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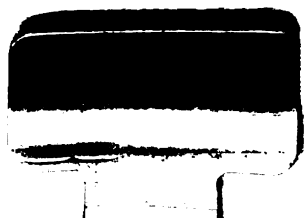
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EXECUTIVE DOCUMENTS.

ANNUAL REPORTS FOR 1871.

MADE TO THE

SIXTIETH GENERAL ASSEMBLY

OF THE

STATE OF OHIO

AT THE

SESSION COMMENCING JANUARY 1, 1872.

Exchange Duplicate, L. C.

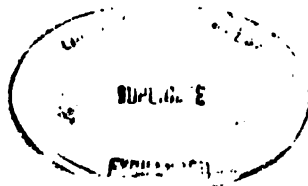
PART I.

COLUMBUS:

NEVINS & MYERS, STATE PRINTERS.
1872.

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ANNUAL REPORT

OF THE

SECRETARY OF STATE,

TO THE

GOVERNOR OF THE STATE OF OHIO,

FOR THE YEAR 1871.

2—Ex. Doc. Pt. I.

REPORT OF THE SECRETARY OF STATE.

OFFICE OF THE SECRETARY OF STATE,
Columbus, Ohio, November 15, 1871..

To His Excellency Rutherford B. Hayes, Governor :

I have the honor to submit my Third Annual Report, as Secretary of State, for the year ending with to-day.

This office is decidedly one of detail, and no attempt is here made to give even an outline of official labor. The line of duty runs from issuing commissions to U. S. Senators and members of Congress, down to the manufacture of pine boxes for the Agricultural Reports; from organizing the [House of Representatives, to determining the quality of bass wood of a fuel contractor; and from chartering a trunk line of railroad to buying scissors and soap for those who make our laws. It would hardly be possible to plan a greater or more ridiculous variety of labor for a State Officer, than is at present enjoined upon the Secretary of State.

COMPANIES INCORPORATED.

The business of this office has largely increased during the past year, in the line of corporate companies. The following includes the list: One hundred and seventeen manufacturing companies; ninety building and loan associations; forty-seven railroad companies; twenty-nine mining companies; fourteen printing companies; eleven street railroad companies; four insurance companies; three gas companies; and fifty-three companies classed as miscellaneous. Sixteen certificates were filed, increasing the capital stock of various companies, and three of reduction of capital stock.

The following important railroad lines, were chartered during the year:

The Southern Ohio Railroad Company, commencing at a point near the mouth of Symmes' creek, on the Ohio river, in Lawrence county, passing through the counties of Lawrence, Gallia, Jackson, Pike, Highland, Clinton, Warren, Greene and Montgomery, to the city of Dayton. Capital \$3,000,000.

Dayton and Mineral Region Railroad Company, commencing at the city of Dayton, running easterly through the counties of Montgomery, Greene, Clarke, Madison, Fayette, Franklin, Pickaway, Fairfield, Perry, *via* Somerset, Morgan, Muskingum, Noble, Guernsey, Monroe and Belmont, to Bellaire. Capital \$2,500,000.

Wheeling and Lake Erie Railroad Company, commencing at the town of Bridgeport, Belmont county, passing through the counties of Belmont, Harrison, Tuscarawas, Starke, Holmes, Wayne, Ashland, Richland, Crawford, Huron, Seneca, Sandusky, Ottawa, Wood and Lucas, to the city of Toledo. Capital \$500,000.

Cincinnati and Michigan Railroad Company, commencing at Cincinnati, passing through the counties of Hamilton, Warren, Butler, Montgomery, Miami, Darke, Mercer, Van Wert, Paulding, Defiance and Williams, to the north line of the State, in Williams county. Capital \$1,500,000.

The Dayton, Stillwater Valley and Saginaw Railroad, capital \$1,000,000. Cincinnati and Great Northern Railroad Company, capital \$4,000,000, and Cincinnati and Michigan Railroad Company, capital \$1,500,000, passing through the same counties as the C. & M. above, with same termini, were incorporated within the year.

Hillsboro and Cincinnati Short Line Railroad Company, commencing at Cincinnati, passing through the counties of Hamilton, Clermont, Brown and Highland to Hillsboro. Capital \$1,500,000.

The following consolidations of railroads were made during the year:

Between the Baltimore, Pittsburgh and Continental Railroad Company and the Celina, Huntington and Chicago Extension of the Baltimore, Pittsburgh and Continental Railroad Company, forming the Baltimore, Pittsburgh and Chicago Railroad Company, with a capital of five millions of dollars, and forming a continuous line from the east line of the State, in Columbiana county, westward, through the counties of Columbiana, Carroll, Stark, Tuscarawas, Holmes, Ashland, Richland, Morrow, Marion, Hardin, Auglaize and Mercer, to the line dividing the States of Ohio and Indiana, and from thence through the counties of Adams, Wells, Huntington, Wabash, Fulton, Marshall, Stark, La Porte, Porter and Lake, to the west line of said State of Indiana, in said Lake county.

Also, between the Mansfield, Coldwater and Lake Michigan Railway Company and the Ohio and Michigan Railway Company, forming the Mansfield, Coldwater and Lake Michigan Railroad Company, with a capital of four millions of dollars, and forming a line from the city of Mansfield, Ohio, to the town of Allegan, Michigan, crossing the line between Ohio and Michigan in Williams county, Ohio.

Also, between the North-Western Ohio Railway Company and the

Chicago and Canada Southern Railway Company, forming the Chicago and Canada Southern Railway Company, with a capital of three millions of dollars, forming a line from the city of Chicago, across Northern Indiana, to the west line of the State of Ohio, in Williams county, hence to the north line of said State of Ohio, in Fulton county.

Also, between the North American Railway Company and the New York Western Railway Company, forming the New York and Western Railway, with a capital of forty millions of dollars, forming a line from Council Bluffs, in the State of Iowa, eastward, through the States of Illinois, Indiana and Ohio, to New London, Huron county, Ohio.

Also, between the Chicago and Canada Southern Railway Company and the South-Eastern Michigan Railway Company, forming the Chicago and Canada Southern Railway Company, with a capital of ten millions of dollars, and forming a line from Chicago, eastward, through Indiana, Ohio and Michigan, to a point on the east line of the county of Wayne, in said State of Michigan, on the Detroit river.

CITIES AND INCORPORATED VILLAGES.

Papers were filed in this Department during the year, showing the annexation of territory to six cities, viz: Zanesville, Newark, Wooster, Columbus, Mt. Vernon and Urbana. Territory was also annexed to twenty-four villages, and seven villages were incorporated.

CONTRACTS FOR PAPER AND FUEL.

Contracts to furnish the State with paper for the ensuing year were let as follows:

To Samuel M. Hotchkiss, of Columbus, twenty-five hundred reams of double super royal printing paper, at \$10.29 per ream.

To Messrs. Nevins & Myers, of Columbus, two hundred reams of double flat cap, at \$6.76 per ream.

To Messrs. Randall, Aston & Co., of Columbus, fifty reams of brochure cover paper, at \$7.96 per ream.

Contracts to furnish the State with fuel for the ensuing year were let as follows:

To Messrs. E. A. Fitch & Co., of Columbus, five thousand bushels of coal, at 11 cents per bushel.

To M. C. Blain, of Columbus, sixteen thousand bushels of coke, at 11 cents per bushel.

To Thomas D. Cassady, fifty cords of wood, at \$4.45 per cord.

SUPPLEMENT TO REVISED STATUTES OF OHIO.

When last reported, the number of volumes of Swan & Sayler's supplement to the Revised Statutes in my possession were nine hundred and fifty-four. Fifteen volumes have been issued to common pleas judges, county officers and mayors; one hundred and fifty-eight volumes were delivered to the sergeants-at-arms of the General Assembly, for the use of the members of that body, and only seventy-two volumes were returned, leaving now in my possession, eight hundred and sixty-three volumes. A resolution was adopted by the General Assembly excusing the sergeants-at-arms from their liability, as the volumes were taken from the hall without their knowledge.

OHIO REPORTS.

Section three of an act passed May 1, 1871, authorizes and directs the Secretary of State to have printed, one thousand copies each, of volumes from one to seventeen, inclusive, and volume twenty, of the Ohio Reports, "under the printing contract now subsisting, and by the public printers." I tendered the manuscript from which to print these reports, to Messrs. Nevins & Myers, State Printers, who declined to print them, claiming that it does not come under their contract. The following correspondence touching this matter explains itself:

OFFICE OF THE SECRETARY OF STATE,
Columbus, O., August 9th, 1871.

HON. F. B. POND, *Attorney General* :

SIR: In compliance with section three of an act passed May 1, 1871, page 109, vol. 68, Laws of Ohio, I procured and tendered to the State Printers, copy from which to print the volumes of the Ohio Reports enumerated in said section, which said printers declined to print, claiming that the printing thereof does not come under their contract with the State to do the public printing.

The act of March 24, 1860, provides for dividing the State printing into five classes therein specified, neither of which, it is claimed by the State printers, covers printing of the class embraced in these reports. Section one of an act passed May 1, 1862, provides that printing not embraced in the five classes specified shall be let on proposals therefor from time to time, as occasion may require.

I desire your opinion as to what further duty, if any, is required of the Secretary of State, under the act of May 1, 1871, and also if the Commissioners of Printing can legally let the contract for printing said Reports, under section one of the act of May 1, 1862, notwithstanding the provisions of the act of May 1, 1871, that the printing thereof be done "by the State Printers, and under the subsisting contract."

Very respectfully,

ISAAC R. SHERWOOD,
Secretary of State.

STATE OF OHIO,
OFFICE OF THE ATTORNEY GENERAL.HON. I. R. SHERWOOD, *Secretary of State* :

SIR: In reply to your communication of the 9th inst., I have to say: In my judgment the printing of the volumes of Ohio Reports spoken of in the act of the General Assembly of May 1, 1871, page 109 of O. L., vol. 68, cannot be done under a new contract, as by the terms of that act the Secretary of State is limited to the printing of such Reports under contracts now subsisting.

If no contract now subsists under which work of this character can be required to be done, there remains nothing for the Secretary of State or Superintendent of Printing to do in the premises but to await further action of the General Assembly in the premises.

It would seem to me that this class of work may not be provided for under existing contracts, but of this fact I am not a sufficient judge to decide.

Very respectfully, etc.,

F. B. POND, *Attorney General*.

RECOMMENDATIONS.

I feel it my duty to renew the recommendations made in my two previous reports, for an entire revision and codification of the laws authorizing and regulating corporate companies. The existing laws are too numerous, in many instances conflicting, and generally unsatisfactory. About three-fourths of the entire manufacturing capital of the State is now invested in corporate companies. These companies have no legal existence except as created and perpetuated by statute law. It is therefore vitally important that their corporate rights and powers be clearly defined, and that one basis of organization be fixed for all companies of one class. The act of April 11th, 1858, provides that railroads may increase their capital stock by complying with certain conditions and filing a certificate in this office; while street railroad companies are required to file certificates of increase with the Auditor of State. By the act of April 10th, 1862, insurance companies are allowed to change their principal office, but there appears to be no provision allowing this privilege to mining and manufacturing companies.

There is no law allowing turnpike companies to increase their capital stock. There is no law authorizing the increase of capital stock of building and loan associations, authorized under the act of May 5th, 1868. On the 25th of April, 1868, the General Assembly passed an act supplementary to the act of February 21st, 1867, regulating the incorporation of building associations, and providing for the increase of capital stock of associations then organized. The act of May 9th, 1868, repealed the act of February 21st, 1867; hence the supplementary act of April 25th, 1868, does not apply to associations organized under the act of May 5th, 1868, and there is no law authorizing the increase of capital stock of these

companies. As the increase of the capital stock of a corporate company is not a corporate power, but a legal privilege, to be obtained only by legislation, the cases above enumerated call for legislation.

The act of May 9th, 1868, regulating the incorporation of building and loan associations, provides that no one person can hold more than twenty shares in such association, in his own right; but there is no restriction as to the amount of each share. If the object of this restriction is to protect the borrowers, in these loan associations, it entirely fails of its purpose, as there is nothing in the law to prevent one person from absorbing and controlling an entire association.

The provision requiring certificates of incorporation to be acknowledged before a justice of the peace, and certified under seal by a clerk of the court of common pleas, is entirely useless. There is neither protection nor good sense in the provision. A notary public is as competent to take acknowledgments in this case as any other, as this office has as complete a roster of notaries as clerks of courts.

There is no limit as to the time of filing a certificate for the increase of capital stock of a manufacturing company. Certificates of increase have been filed in this office four years after said increase had been voted by the stockholders. (See decree of Corporation, page 132; S. & S., Sec. 7.)

The above cited deficiencies in our corporation acts are only a few of the many instances which have come under my observation. I trust the Sixtieth General Assembly will either harmonize and perfect the present loose system of laws on this important subject, or pass one general incorporation law of sufficient scope to embrace all the industrial and commercial interests of the State.

Respectfully submitted,

ISAAC R. SHERWOOD,

Secretary of State.

Secretary of State.

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STATE OFFICERS FOR 1872.

Office.	Name.	Residence.	Remarks.
Governor	Edward F. Noyes.....	Cincinnati.....	Term expires Jan. 1874
Lieutenant Governor...	Jacob Mueller.....	Cleveland.....	" " 1874
Secretary of State	Isaac R. Sherwood.....	Bryan.....	" " 1873
Auditor of State	James Williams.....	Columbus.....	" " 1876
Treasurer of State.....	Isaac Welsh.....	Armstrong's Mills	" " 1874
Comptroller of Treasury	Wm. T. Wilson*.....	Ravenna.....	" " 1874
Attorney General.....	Francis B. Pond.....	McConnellsville.	" " 1874
Commissioner of Schools	Thomas W. Harvey.....	Painesville.....	" " 1875
Clerk of Supreme Court	Rodney Foos.....	Wilmington.....	" " 1875
Board of Public Works {	Philip V. Herzing.....	St. Marys.....	.....1874
	Richard R. Porter.....	Canal Fulton.....	.....1873
	Stephen R. Hosmer.....	Zanesville.....	.....1875

* Ex-officio Superintendent of State House.

OFFICERS BY APPOINTMENT.

Office.	Name.	Remarks.
State Librarian.....	S. G. Harbaugh.....	Term expires 1872
Commissioner Railroads and Telegraphs.,	R. D. Harrison*.....	" " 1873
Supervisor Public Printing.....	Lewis L. Rice.....	" " 1873
Secretary State Board of Agriculture.....	John H. Klippart.....	Permanent.
Gas Commissioner	Theo. G. Wormley.....	Term expires 1873
Chief Clerk Secretary of State's Office.....	A. T. Wikoff.....	" " 1873
Assistant Clerk Secretary of State's Office	James A. Williams.....	" " 1873
Statistical Clerk.....	J. C. Donaldson.....	" " 1873
Chief Clerk Auditor of State's Office.....	James Williams†.....	" " 1872
Cashier Treasurer's Office.....	Wm. A. Hershiser.....	" " 1872
Chief Clerk Comptroller's Office.....	J. W. Horton.....	" " 1874
Clerk Board of Fund Commissioners.....	F. A. Marble.....	" " 1873
Secretary Board of Public Works.....	A. B. Newburgh.....	" " 1872
Chief Clerk School Commissioner's Office.	T. D. Crow.....	" " 1872

* Appointed, vice George B. Wright, resigned.

† Elected Auditor of State.

JUDICIARY—SUPREME COURT.*

Names.	Residence.	Remarks.
Josiah Scott, <i>Chief Justice</i>	Hamilton.....	Term expires February, 1872
John Welch, <i>Judge</i>	Athens.....	" " 1873
William White, <i>Judge</i>	Springfield.....	" " 1874
Luther Day, ".....	Ravenna.....	" " 1875
Geo. W. McIlvaine, <i>Judge</i>	New Philadelphia.....	" " 1876
Rodney Foos, <i>Clerk</i>	Wilmington.....	" " 1875
L. J. Critchfield, <i>Reporter</i>	Columbus.....	December, 1871
James H. Beebe, <i>Law Librarian</i>	Columbus.....	Permanent.

* William H. West, elected October 10th, 1871, for five years.

JUDGES OF THE COURTS OF COMMON PLEAS.

Dist.	Sub. Div.	Counties.	Names of Judges.	Post-office address.
No. 1		Hamilton	Manning F. Force..... Charles C. Murdock..... Joseph Cox..... Jacob Burnet..... William L. Avery.....	Cincinnati. Cincinnati. Cincinnati. Cincinnati. Cincinnati.
No. 2	1	Butler..... Preble..... Montgomery..... Darke.....	John C. McKemy..... Henderson Elliott..... William J. Gilmore.....	Dayton. Dayton. Eaton.
No. 2	2	Champaign..... Miami.....	Ichabod Corwin.....	Urbana.
No. 2	3	Warren..... Clinton..... Greene..... Clarke.....	Edmund H. Munger..... Leroy Pope.....	Xenia. Wilmington.
No. 3	1	Logan..... Union..... Hardin..... Shelby.....	Philander B. Cole.....	Marysville.
No. 3	2	Anglaize..... Allen..... Mercer..... Van Wert..... Putnam.....	James McKenzie..... Edward M. Phelps.....	Lima. St. Mary's.
No. 3	3	Paulding..... Defiance..... Williams..... Fulton..... Henry.....	Alex. S. Latty.....	Defiance.
No. 3	4	Seneca..... Hancock..... Wyandot..... Crawford..... Marion..... Wood.....	James Pillars..... Abner M. Jackson.....	Tiffin. Bucyrus.
No. 4	1	Lucas..... Ottawa..... Sandusky..... Erie..... Huron.....	Charles E. Pennewell..... William A. Collins..... Joshua R. Seney..... Walter F. Stone.....	Norwalk. Toledo. Toledo. Sandusky.
No. 4	2	Lorain..... Medina..... Summit.....	Samuel W. McClure..... Washington W. Boynton..	Akron. Elyria.
No. 4	3	Cuyahoga.....	Horace Foote..... Samuel B. Prentiss..... Robert F. Payne.....	Cleveland. Cleveland. Cleveland.
No. 5	1	Clermont..... Brown..... Adams.....	Thomas Q. Ashburn..... David Tarbell.....	Batavia. Georgetown.

JUDGES OF THE COURTS OF COMMON PLEAS—Continued.

Dist.	Sub. Dist.	Counties.	Names of Judges.	Post-office address.
No. 5	2	{ Ross Highland..... Fayette	{ Samuel F. Steele..... William H. Safford.....	Hillsboro. Chillicothe.
No. 5	3	{ Pickaway Franklin Madison	{ John L. Green..... Joseph Olds.....	Columbus. Circleville.
No. 6	1	{ Licking Knox Delaware.....	{ Charles Follett..... John Adams.....	Newark. Mt. Vernon.
No. 6	2	{ Morrow Richland Ashland	{ George W. Geddes..... Darius Dirlam.....	Mansfield. Mansfield.
No. 6	3	{ Wayne Holmes..... Coshocton	{ William Reed	Millersburg.
No. 7	1	{ Fairfield..... Perry Hocking	{ Silas H. Wright.....	Logan.
No. 7	2	{ Jackson Vinton Pike Scioto Lawrence	{ J. J. Harpre..... W. W. Johnson.....	Portsmouth. Ironton.
No. 7	3	{ Gallia Meigs Athens Washington	{ William B. Loomis.....	Marietta.
No. 8	1	{ Muskingum Morgan Noble Guernsey	{ Frederick W. Wood..... William H. Frazier.....	McConnelsville. Zanesville.
No. 8	2	{ Belmont..... Monroe.....	{ Robert E. Chambers.....	St. Clairsville.
No. 8	3	{ Jefferson Harrison Tuscarawas	{ John H. Miller.....	Steubenville.
No. 9	1	{ Stark Carroll Columbiana	{ Joseph Freese	Canton.
No. 9	2	{ Trumbull..... Portage Mahoning	{ Philo B. Conant..... Charles E. Glidden.....	Ravenna. Warren.
No. 9	3	{ Geauga..... Lake Ashtabula	{ Milton C. Canfield.....	Chardon.

MEMBERS OF THE FORTY-SECOND CONGRESS FROM OHIO.

SENATORS.

Names.	Post-office Address.
John Sherman	Mansfield.
Allen G. Thurman	Columbus.

REPRESENTATIVES.

Districts.	Names.	Post-office Address.
1.....	Aaron F. Perry	Cincinnati.
2.....	Job E. Stevenson	Cincinnati.
3.....	Lewis D. Campbell	Hamilton.
4.....	J. F. McKinney	Piqua.
5.....	Charles N. Lamison	Lima.
6.....	John A. Smith	Hillsboro.
7.....	Samuel Shellabarger	Springfield.
8.....	John Beatty	Cardington.
9.....	Charles Foster	Fostoria.
10.....	E. D. Peck	Perrysburg.
11.....	John T. Wilson	Tranquility.
12.....	P. Van Trump	Lancaster.
13.....	George W. Morgan	Mt. Vernon.
14.....	James Monroe	Oberlin.
15.....	W. P. Sprague	McConnellsville.
16.....	John A. Bingham	Cadiz.
17.....	Jacob A. Ambler	Salem.
18.....	Wm. H. Upson	Akron.
19.....	James A. Garfield	Hiram.

GENERAL ASSEMBLY OF OHIO—1872-3.

SENATE.

Names.	District.	Counties.	Post Office.
Amos, James O.	19	Guernsey, Monroe, and part of Noble	Woodsfield.
Beach, William M.	11	Clark, Champaign and Madison	London.
Beavis, Benjamin R.	25	Cuyahoga	Cleveland.
Bell, James A.	27 & 29	Medina and Lorain, and Ashland and Richland.	Guilford.
Boesel, Charles	32	Auglaize, Allen, Mercer, Van Wert, Defiance, Paulding and Williams.	New Bremen.
Brinamade, Allan T.	25	Cuyahoga	Cleveland.
Casement, John S.	24	Ashtabula, Lake and Geauga	Painesville.
Daugherty, Michael A.	9	Fairfield, Athens and Hocking	Lancaster.
Gage, Hanks P.	33	Hancock, Wood, Lucas, Fulton, Henry and Putnam.	Findlay.
Gardner, Isaac S.	13	Logan, Union, Marion and Hardin ..	Bellefontaine.
Hardesty, Philip W.	32	Auglaize, Allen, Mercer, Van Wert, Defiance, Paulding and Williams	Paulding Centre.
Hart, Alphonso	26	Portage and Summit	Ravenna.
Holden, William H.	15	Muskingum and Perry	New Lexington.
Howard, Dresden W. H.	33	Hancock, Wood, Lucas, Fulton, Henry and Putnam.	Winameg.
Jenner, Alexander E.	31	Crawford, Seneca and Wyandot.	Crestline.
Jones, John B.	16	Delaware and Licking	Newark.
Jones, Lucian C.	23	Trumbull and Mahoning	Warren.
Kemp, John D.	3	Montgomery and Preble	Vandalia.
Knox, Samuel	20	Harrison and Belmont	Cadiz.
Leeds, Learner B.	4	Clermont and Brown	Georgetown.
McDowell, Henry D.	17 & 28	Knox and Morrow, Holmes and Wayne	Millersburg.
Morris, John W.	12	Miami, Darke and Shelby	Troy.
Murphy, Peter	2	Butler and Warren	Hamilton.
Nash, William	8	Lawrence, Gallia, Meigs and Vinton	Gallipolis.
Newman, James M.	7	Pike, Adams, Scioto and Jackson ..	Portsmouth.
Parker, Welcome O.	30	Huron, Erie, Sandusky and Ottawa	Norwalk.
Patrick, Abraham W.	18	Coshocton and Tuscarawas	New Philadelp'ia.
Putnam, John H.	6	Ross and Highland	Chillicothe.
Schiff, John	1	Hamilton	Cincinnati.
Smith, John Q.	5	Greene, Clinton and Fayette	Oakland.
Stimson, Rodney M.	14	Washington, Morgan, and part of Noble	Marietta.
Thompson, John G.	10	Franklin and Pickaway	Columbus.
Updegraff, Jonathan T.	22	Jefferson and Columbiana	Mount Pleasant.
Wales, Arvine C.	21	Carroll and Stark	Massillon.
Wright, Joseph F.	1	Hamilton	Cincinnati.
Young, Thomas L.	1	Hamilton	Cincinnati.

REPRESENTATIVES.

Names.	Counties.	Post Office.
Adair, William	Carroll	Leesville.
Armstrong, Abraham	Guernsey	Washington.
Armstrong, Thomas H.	Belmont	Powhattan.
Anstill, Isaac	Pike	Piketon.
Babcock, Charles H.	Cuyahoga	Brooklyn.
Ball, William M.	Muskingum	Zanesville.
Bay, Thomas M.	Vinton	Reed's Mills.
Bell, William Jr.	Licking	Newark.
Berkstreser, Henry	Lawrence	Quaker Bottom.
Berry, S. B.	Butler	Lesourdsville.
Blackburn, Brisbin C.	Coshocton	Roscoe.
Blakelee, Schnyler E.	Williams	Bryan.
Bowman, Samuel C.	Stark	Massillon.
Bradbury, Joseph	Gallia	Gallipolis.
Breckenridge, Henry C.	Huron	Plymouth.
Brown, Albert H.	Morrow	Bloomfield.
Brunswick, John M.	Hamilton	Cincinnati.
Burnham, Sanford M.	Summit	Akron.
Callen, Daniel J.	Mercer	Celina.
Case, Oakley	Hooking	Logan.
Chase, James E.	Ashland	Polk.
Chapman, Henry M.	Cuyahoga	Nottingham.
Clyde, George C.	Miami	Troy.
Cochran, John M.	Hamilton	Glendale.
Colby, Levi	Defiance and Paulding	Cecil.
Conrad, Joseph R.	Portage	Atwater.
Cooper, William C.	Knox	Mt. Vernon.
Corcoran, Thomas A.	Hamilton	Cincinnati.
Counts, Jonathan	Shelby	Pratt.
Creighton, Robert	Hamilton	Columbia.
Cunningham, David	Harrison	Cadiz.
Curtis, Harvey W.	Cuyahoga	Chagrin Falls.
Ellis, Elias	Muskingum	Zanesville.
Ellis, Jesse	Adams	Aberdeen.
Ely, Heman	Lorain	Elyria.
Falls, John T.	Hamilton	Cincinnati.
Ferguson, Ira	Clermont	New Richmond.
Ford, George H.	Geauga	Burton.
Ford, Samuel H.	Jefferson	Richmond.
Fulton, Robert C.	Champaign	Urbana.
Green, Lewis	Perry	New Lexington.
Haag, John M.	Henry	Napoleon.
Haldeman, Thomas J.	Hamilton	Cincinnati.
Hill, Robert	Marion	Marion.
Howland, W. P.	Ashtabula	Jefferson.
Johnson, Ellis N.	Stark	Alliance.
Kahn, Barnhard	Jackson	Jackson C. H.
Kile, A. C.	Richland	Butler.
Kirtland, Cook F.	Mahoning	Poland.
Kiser, John	Wyandot	Nevada.
Leland, N. C.	Ottawa	Elmore.
Little, John	Greene	Xenia.
Lechner, Jesse	Fairfield	Lancaster.
Malone, John C.	Scioto	Wheelersburg.
Mann, Arza	Fulton	Lyons.
Marx, Guido	Lucas	Toledo.
McCoy, Milton	Ross	Chillicothe.
McFarland, Wm. C.	Cuyahoga	Cleveland.
Miller, Joseph	Preble	New Paris.
Milligan, William	Monroe	Graysville.
Miltenberger, Thomas	Logan	Bellefontaine.
Mott, Samuel R. Jr.	Auglaize	Wapakoneta.

REPRESENTATIVES—Continued.

Names.	Counties.	Post Office.
Munson, Albert	Medina	River Styx.
Neff, Benjamin	Clarke	New Carlisle.
Nokes, George	Cuyahoga	Berea.
Norris, John	Wood	Postoria.
Oesterlen, Charles	Hancock	Findlay.
Oren, Jesse N.	Clinton	Wilmington.
Peckinpugh, Thomas W.	Wayne	West Salem.
Pillars, Isaiah	Allen	Lima.
Powell, Eugene	Delaware	Delaware.
Richmond, David C.	Erie	Sandusky.
Ross, William L.	Franklin	Columbus.
Schoenfeldt, Henry	Montgomery	Miamisburg.
Scott, James	Warren	Lebanon.
Seitz, John	Seneca	Tiffin.
Shank, John A.	Hamilton	Cincinnati.
Smith, Andrew	Sandusky	York Station.
Smith, Garrett B.	Tuscarawas	Newcomerstown.
Smith, J. McLean	Montgomery	Dayton.
Stanton, Richard	Morgan	McConnelsville.
Steele, George W.	Lake	Painesville.
Sterling, A. James	Union	Marysville.
Stilwell, Wellington	Holmes	Millersburg.
Stites, Thomas D.	Darke	Fort Jefferson.
Strong, Robert O.	Hamilton	Cincinnati.
Taft, Charles P.	Hamilton	Cincinnati.
Thompson, Josiah	Columbiana	East Liverpool.
Thompson, Russell C.	Lucas	Sylvania.
Titus, Samuel N.	Meigs	Rutland.
Van Cleaf, Aaron R.	Pickaway	Circleville.
Van Vorhes, Nelson H.	Athens	Athens.
Waddle, Benjamin	Hardin	Kenton.
Waldron, John C.	Brown	Aberdeen.
Way, William G.	Washington	Marietta.
Weible, Henry	Van Wert	Delphos.
White, Clark	Franklin	Columbus.
White, Thomas Jr.	Crawford	Bucyrus.
Wickerham, Peter W.	Highland	Hillsboro.
Wing, Joseph K.	Trumbull	North Bloomfield.
Williams, Marshall J.	Fayette	Washington C. H.
Wilson, George W.	Madison	London.
Wilson, John M.	Hamilton	Cincinnati.

NOTE.—The vote for Representative in Noble county being a tie, the name of the member from that county does not appear in this list.

PROBATE JUDGES.

Counties.	Names.	Post Office.
Adams	Jas. L. Coryell	West Union.
Allen	Luther M. Meily	Lima.
Ashland	Daniel W. Whetmore	Ashland.
Ashtabula	B. T. Cushing	Jefferson.
Athens	Leonidas Jewett	Athens.
Auglaize	Levi Hamaker	Wapakoneta.
Belmont	Andrew W. Anderson	St. Clairsville.
Brown	Samuel H. Stevenson	Georgetown.
Butler	Joseph Traber	Hamilton.
Carroll	Wm. McCoy	Carrollton.
Champaign	Alex. F. Vance	Urbana.
Clarke	E. G. Dial	Springfield.
Clermont	Allen T. Cowan	Batavia.
Clinton	John Matthews	Wilmington.
Columbiana	Solomon J. Firestone	New Lisbon.
Coshocton	Joseph Burns	Coshocton.
Crawford	Robert Lee	Bucyrus.
Cuyahoga	Daniel R. Tilden	Cleveland.
Darke	James T. Meeker	Greenville.
Defiance	Jacob J. Green	Defiance.
Delaware	Benj. C. Waters	Delaware.
Erie	Elisha M. Colver	Sandusky City.
Fairfield	Abram Seifert	Lancaster.
Fayette	John B. Priddy	Washington C. H.
Franklin	John M. Pugh	Columbus.
Fulton	Caleb M. Keith	Ottokee.
Gallia	Henry A. Kent	Gallipolis.
Geauga	Henry K. Smith	Chardon.
Greene	James W. Harper	Xenia.
Guernsey	Wm. S. Dougherty	Cambridge.
Hamilton	George F. Hoeffer	Cincinnati.
Hancock	Gamaliel C. Brand	Findlay.
Hardin	Benj. Eglin	Kenton.
Harrison	Ammon Lemmon	Cadiz.
Henry	James G. Haley	Napoleon.
Highland	Wm. M. Meek	Hillsborough.
Hocking	George W. Alfred	Logan.
Holmes	Thomas Armor	Millersburg.
Huron	Daniel H. Fox	Norwalk.
Jackson	Jno. J. C. Evans	Jackson.
Jefferson	Robert Martin	Stenbenville.
Knox	Chas. E. Critchfield	Mt. Vernon.
Lake	G. N. Tuttle	Painesville.
Lawrence	Peras E. Polly	Ironton.
Licking	Wm. H. Shircliff	Newark.
Logan	Samuel B. Taylor	Bellefontaine.
Lorain	Laertes B. Smith	Elyria.
Lucas	Fred'k A. Jones	Toledo.
Madison	John H. Kennedy	London.
Mahoning	Joseph R. Johnston	Canfield.
Marion	John R. Garberson	Marion.
Medina	George W. Lewis	Medina.
Melgs	P. B. Stanberry	Pomeroy.
Mercer	Robt. G. Blake	Celina.
Miama	Wm. N. Foster	Troy.
Monroe	Theo. O. Castle	Woodsfield.
Montgomery	Dennis Dwyer	Dayton.
Morgan	David C. Pinkerton	McConnelsville.
Morrow	Asa A. Gardner	Mt. Gilead.
Muskingum	Henry L. Korte	Zanesville.
Noble	Jonathan Dilley	Caldwell.
Ottawa	David Mizner	Port Clinton.

PROBATE JUDGES—Continued.

Counties.	Names.	Post Office.
Paulding	David C. Carey	Paulding.
Perry	Robert E. Huston	New Lexington.
Pickaway	Wm. C. Finkel	Circleville.
Pike	Edward R. Allen	Waverly.
Portage	Jacob V. Mell	Ravenna.
Preble	Jehu W. King	Eaton.
Putnam	John Kuhns	Ottawa.
Richland	Joel Myers	Mansfield.
Ross	Thomas Walke	Chillicothe.
Sandusky	John L. Greene, Jr.	Fremont.
Scioto	A. C. Thompson	Portsmouth.
Seneca	Wm. M. Johnson	Tiffin.
Shelby	John G. Stevenson	Sidney.
Stark	Jas. W. Underhill	Canton.
Summit	Ulysses L. Marvin	Akron.
Trumbull	Albert Yeomans	Warren.
Tuscarawas	Wm. B. Brown	New Philadelphia.
Union	John B. Coates	Marysville.
Van Wert	Andrew McGavren	Van Wert.
Vinton	Hiram B. Mayo	McArthur.
Warren	Thos. R. Thatcher	Lebanon.
Washington	A. W. McCormick	Marietta.
Wayne	John K. McBride	Wooster.
Williams	John A. Leidigh	Bryan.
Wood	Geo. C. Phelps	Bowling Green.
Wyandot	Peter B. Beidler	Upper Sandusky.

CLERKS OF COURTS OF COMMON PLEAS.

Counties.	Names.	Post Office.
Adams	Joseph W. Shinn	West Union.
Allen	Robt. Mehaffey	Lima
Ashland	Wm. C. Frazee	Ashland.
Ashtabula	Dryden C. Lindsley	Jefferson.
Athens	Edwin M. Phillips	Athens.
Auglaize	Charles P. Davis	Wapakoneta.
Belmont	Joseph R. Mitchell	St. Clairsville
Brown	R. H. Higgins	Georgetown.
Butler	Patrick Gordon	Hamilton.
Carroll	Isaac H. Taylor	Carrollton.
Champaign	Vesalius Horr	Urbana.
Clarke	Absalom Mattox	Springfield.
Clermont	William Mansfield	Batavia.
Clinton	Loami D. Reed	Wilmington C. H.
Columbiana	Joha A. Myers	New Lisbon.
Coshocton	Gilbert H. Bargar	Coshocton.
Crawford	Thomas Coughlin	Bucyrus.
Cuyahoga	Fred. S. Smith	Cleveland.
Darke	Hamilton Slade	Greenville.
Defiance	F. William Graper	Defiance.
Delaware	Benj. F. Loofbourrow	Delaware.
Erie	O. C. McLouth	Sandusky City.
Fairfield	Chas. F. Rainey	Lancaster.
Fayette	M. Blanchard	Washington.
Franklin	Jas. S. Abbott	Columbus.
Fulton	D. W. Poe	Ottokee.
Gallia	Joseph Hunt	Gallipolis.
Geauga	Wm. N. Keeney	Chardon.
Greene	John Orr, Jr.	Xenia
Guernsey	Eugene C. Riggs	Cambridge.
Hamilton	H. H. Tinker	Cincinnati.
Hancock	Peter Pifer, Jr.	Findlay.
Hardin	John M. Pearce	Kenton.
Harrison	John M. Garven	Cadiz.
Henry	Oscar E. Barnes	Napoleon.
Highland	J. E. Jackson	Hillsborough.
Hocking	John M. Floyd	Logan.
Holmes	John S. Orr	Millersburg.
Huron	Benj. P. Smith	Norwalk.
Jackson	Charles C. James	Jackson.
Jefferson	Oliver C. Smith	Steubenville.
Knox	Samuel J. Brent	Mt. Vernon.
Lake	Perry Bosworth	Painesville.
Lawrence	C. C. Bowen	Ironton.
Licking	Isaac W. Bigelow	Newark.
Logan	Oden Hayes	Bellefontaine.
Lorain	Wm. N. Briggs	Elyria.
Lucas	Victor Keen	Toledo.
Madison	Alexander A. Hume	London.
Mahoning	James M. Nash	Canfield.
Marion	Philip Dombaugh	Marion.
Medina	Joseph Andrew	Medina.
Meigs	A. B. Donnally	Pomeroy.
Mercer	John W. De Ford	Celina.
Miami	Smith Talbot	Troy.
Monroe	David Okey	Woodsfield.
Montgomery	John F. Sinks	Dayton.
Morgan	Cyrus M. Roberts	McConnelsville.
Morrow	Robert F. Bartlett	Mt. Gilead.
Muskingum	Edgar W. Allen	Zanesville.
Noble	Erwin Belford	Caldwell.
Ottawa	George R. Clark	Port Clinton.

CLERKS OF COURTS OF COMMON PLEAS—Continued.

Counties.	Names.	Post Office.
Paulding	Orlando A. Russell	Paulding.
Perry	Peter Duffy	New Lexington.
Pickaway	Palmer Lowe	Circleville.
Pike	Jno. W. Washburn	Waverly.
Portage	Andrew Jackson	Ravenna.
Preble	D. B. Morrow	Eaton.
Putnam	Samuel B. Rice	Ottawa.
Richland	Geo. B. Harmon	Mansfield.
Ross	Philip B. Griffin	Chillicothe.
Sandusky	John R. Gephart	Fremont.
Scioto	S. B. Drouillard	Portsmouth.
Seneca	Jacob C. Milheim	Tiffin.
Shelby	H. H. Sprague	Sidney.
Stark	Edwin W. Page	Canton.
Summit	John A. Means	Akron.
Trumbull	Edward Spear, Jr.	Warren.
Tuscarawas	James M. Kennedy	New Philadelphia.
Union	Francis T. Arthur	Marysville.
Van Wert	George W. Day	Van Wert.
Vinton	Charles W. Holland	McArthur.
Warren	Wm. H. Rockhill	Lebanon.
Washington	Daniel D. Torpy	Marietta.
Wayne	John W. Baughman	Wooster.
Williams	Lorenzo E. Brewster	Bryan.
Wood	Andrew D. Stewart	Bowling Green.
Wyandot	Wm. B. Hitchcock	Upper Sandusky.

COUNTY AUDITORS.

Counties.	Names.	Post Office.
Adams	John L. Swearingen	West Union.
Allen	Sylvester J. Brand	Lima.
Ashland	Emanuel Finger	Ashland.
Ashtabula	William H. Crowell	Jefferson.
Athens	Alex. W. S. Minear	Athens.
Auglaize	James Finley Smith	Wapakoneta.
Belmont	John B. Longley	St. Clairsville.
Brown	Geo. W. Ellsberry	Georgetown.
Butler	Adolph Schmidt	Hamilton.
Carroll	Wm. A. McAllister	Carrollton.
Champaign	John M. Fitzpatrick	Urbana.
Clarke	John F. Oglevee	Springfield.
Clermont	A. M. Dimmitt	Batavia.
Clianton	Asa Jenkins	Wilmington.
Columbiana	Jos. J. Scroggs	New Lisbon.
Coshocton	Wm. Walker	Coshocton.
Crawford	William M. Scroggs	Bucyrus.
Cuyahoga	William S. Jones	Cleveland.
Darke	Oliver C. Perry	Greenville.
Defiance	John M. Sewell	Defiance.
Delaware	Josephus F. Doty	Delaware.
Erie	Ebenezer Merry	Sandusky City.
Fairfield	Louis A. Blair	Lancaster.
Fayette	Abel McCandless	Washington C. H.
Franklin	Samuel E. Kile	Columbus.
Fulton	Lafayette G. Ely	Ottokee.
Gallia	John H. Evans	Gallipolis.
Geauga	Abram F. Tilden	Chardon.
Greene	Andrew S. Frazier	Xenia.
Guernsey	Francis Hammond	Cambridge.
Hamilton	W. M. Yeatman	Cincinnati.
Hancock	John L. Hill	Findlay.
Hardin	Nathan Ahlefeld	Kenton.
Harrison	Wm. O. Potts	Cadiz.
Henry	Frederick Theek	Napoleon.
Highland	Daniel Murphy	Hillsborough.
Hocking	Joel B. Stiers	Logan.
Holmes	Joseph H. Newton	Millersburg.
Huron	John Barnes	Norwalk.
Jackson	J. R. Booth	Jackson.
Jefferson	Wm. F. Simeral	Staubenville.
Knox	John M. Ewalt	Mt. Vernon.
Lake	Benj. D. Chesney	Painesville.
Lawrence	John N. Thomas	Ironton.
Licking	Wm. D. Morgan	Newark.
Logan	Joseph R. Smith	Bellefontaine.
Lorain	Elizur G. Johnson	Elyria.
Lucas	Elijah W. Lenderson	Toledo.
Madison	Noah Thomas	London.
Mahoning	James K. Bailey	Canfield.
Marion	Samuel E. Hain	Marion.
Medina	Henry C. Pardee	Medina.
Meigs	Ransom Griffin	Pomeroy.
Mercer	Theophilus G. Touvelle	Celina.
Miami	Eli Tenney	Troy.
Monroe	Michael Hoefler	Woodfield.
Montgomery	George P. Boyer	Dayton.
Morgan	James B. McGrew	McConnelsville.
Morrow	Asa M. Breese	Mt. Gilead.
Muskingum	Andrew P. Stultz	Zanesville.
Noble	Richard L. Albritten	Caldwell.
Ottawa	George B. Heller	Port Clinton.

COUNTY AUDITORS—Continued.

Counties.	Names.	Post Office.
Paulding	Valentine V. Pursel	Paulding.
Perry	Edward T. Rissler	New Lexington.
Pickaway	Edwin E. Winship	Circleville.
Pike	George Kearns	Waverly.
Portage	Wm. Grinnell	Ravenna.
Preble	Wm. J. Barnhizer	Eaton.
Putnam	John Deffenbaugh	Ottawa.
Richland	Marcus McDermott	Mansfield.
Ross	E. D. McDougal	Chillicothe.
Sandusky	Geo. W. Garst	Fremont.
Scioto	James Skelton	Portsmouth.
Seneca	G. A. Allen	Tiffin.
Shelby	Harvey Guthrie	Sidney.
Stark	Edwin A. Lee	Canton.
Summit	Edward Buckingham	Akron.
Trumbull	James D. Kennedy	Warren.
Tuscarawas	Philip Getzman	New Philadelphia.
Union	John Wiley	Marysville.
Van Wert	Grimes McConahy	Van Wert.
Vinton	Wm. W. Belford	McArthur.
Warren	Wm. S. Dynes	Lebanon.
Washington	John T. Matthews	Marietta.
Wayne	Geo. W. Henshaw	Wooster.
Williams	Simeon Gillis	Bryan.
Wood	Joseph B. Newton	Bowling Green.
Wyandot	Jonathan Maffett	Upper Sandusky.

COUNTY TREASURERS.

Counties.	Names.	Post Office.
Adams	Elijah D. Leedom	West Union.
Allen	Washington R. Partello	Lima.
Ashland	G. L. Yeawick	Ashland.
Ashtabula	S. T. Fuller	Jefferson.
Athens	George W. Baker	Athens.
Auglaize	Matthias Mouch	Wapakoneta.
Belmont	James Irwin	St. Clairsville.
Brown	Alfred Parker	Georgetown.
Butler	John C. Lindley	Hamilton.
Carroll	Wm. H. Buchanan	Carrollton.
Champaign	Wm. H. Baxter	Urbana.
Clarke	Theo. A. Wick	Springfield.
Clermont	J. R. Corbly	Batavia.
Clinton	Amos Huffman	Wilmington.
Columbiana	Robert C. Taggart	New Lisbon.
Coshocton	Thomas Jones	Coshocton.
Crawford	John Franz	Bucyrus.
Cuyahoga	Frank Lynch	Cleveland.
Darke	Peter P. Banta	Greenville.
Defiance	Asa Toberen	Defiance.
Delaware	James Cox	Delaware.
Erie	James S. Chandler	Sandusky City.
Fairfield	Jacob Baker	Lancaster.
Fayette	John W. Sayre	Washington C. H.
Franklin	Lorenzo English	Columbus.
Fulton	David Ayres	Ottokee.
Gallia	Wm. H. H. Sisson	Gallipolis.
Geauga	Henry F. Marsh	Chardon.
Greene	Henry Barnes	Xenia.
Guernsey	Wm. A. Lawrence	Cambridge.
Hamilton	Fred'k J. Mayer	Cincinnati.
Hancock	Benj. Huber	Findlay.
Hardin	Henry M. Shingle	Kenton.
Harrison	George A. Haverfield	Cadiz.
Henry	Wm. A. Tressler	Napoleon.
Highland	John D. W. Sprague	Hillsborough.
Hocking	Henry Hansel	Logan.
Holmes	Jacob Cherryholmes	Millersburgh.
Huron	Edwin H. Brown	Norwalk.
Jackson	David W. Cherrington	Jackson.
Jefferson	John C. Brown	Steubenville.
Knox	Robert Miller	Mt. Vernon.
Lake	Irwin S. Childs	Painesville.
Lawrence	Simeon Crossley	Ironton.
Licking	Lewis A. Stevens	Newark.
Logan	Jeremiah M. Kelly	Bellefontaine.
Lorain	John H. Boynton	Elyria.
Lucas	Andrew Stephan	Toledo.
Madison	Benj. T. Custar	London.
Mahoning	Joseph Barclay	Canfield.
Marion	George Deigle	Marion.
Medina	Samuel J. Hayslip	Medina.
Meigs	David H. Lasley	Pomeroy.
Mercer	Samuel M. Loree	Celina.
Miami	Samuel D. Frank	Troy.
Monroe	Wm. Read	Woodsfield.
Montgomery	Daniel H. Dryden	Dayton.
Morgan	Samuel B. Yocum	McConnelsville.
Morrow	Charles Wheeler	Mt. Gilead.
Muskingum	John M. Lane	Zanesville.
Noble	Wm. L. Mosely	Caldwell.
Ottawa	Godfrey Jaeger	Port Clinton.

COUNTY TREASURERS—Continued.

Counties	Names.	Post Office.
Paulding	Peter Hilty	Paulding.
Perry	John J. Johnson	New Lexington.
Pickaway	Peter Huber	Circleville.
Pike	Abyrom B. East	Waverly.
Portage	Edward G. Hinman	Ravenna.
Preble	E. P. Ebersole	Eaton.
Putnam	William McClure	Ottawa.
Richland	H. W. Patterson	Mansfield.
Ross	W. A. Wayland	Chillicothe.
Sandusky	J. P. Elderkin, Jr.	Fremont.
Scioto	Charles Slavens	Portsmouth.
Seneca	Wm. Lang	Tiffin.
Shelby	A. J. Robinson	Sidney.
Stark	Ira M. Allen	Canton.
Summit	Schuyler R. Oviatt	Akron.
Trumbull	Thomas A. Brierly	Warren.
Tuscarawas	Wm. H. Criswell	New Philadelphia.
Union	James R. Russell	Marysville.
Van Wert	John Seeman	Van Wert.
Vinton	Nelson Richmond	McArthur.
Warren	Lot Wright	Lebanon.
Washington	Ernst Linder	Marietta.
Wayne	Jacob B. Koch	Wooster.
Williams	Oliver G. Smith	Bryan.
Wood	Geo. Kemberlin	Bowling Green.
Wyandot	Jonathan S. Hare	Upper Sandusky.

COUNTY RECORDERS.

Counties.	Names.	Post Office.
Adams	Wm. R. Thoroman	West Union.
Allen	Albertus R. Krebs	Lima.
Ashland	George W. Urie	Ashland.
Ashtabula	Truman Reeves	Jefferson.
Athens	Josiah B. Allen	Athens.
Auglaize	Robt. McMurray, Jr.	Wapakoneta.
Belmont	James A. Barnes	St. Clairsville.
Brown	John W. Evans	Georgetown.
Butler	Samuel Davis	Hamilton.
Carroll	James Holder	Carrollton.
Champaign	George Kiser	Urbana.
Clarke	Ashley Bradford	Springfield.
Clermont	Royal J. Bancroft	Batavia.
Clinton	M. J. Grady	Wilmington.
Columbiana	C. B. Dickey	New Lisbon.
Coahocton	M. W. Winner	Coahocton.
Crawford	F. M. Bowyer	Bucyrus.
Cuyahoga	Ed. H. Bohm	Cleveland.
Darke	Benj. Beers	Greenville.
Defiance	Lewis Neil	Defiance.
Delaware	Elijah B. Adams	Delaware.
Erie	Wm. A. Till	Sandusky City.
Fairfield	Timothy Fishbaugh	Lancaster.
Fayette	Z. W. Heagler	Washington C. H.
Franklin	Nathan Cole	Columbus.
Fulton	Wm. H. Stevens	Ottokee.
Gallia	Ira W. Booton	Gallipolis.
Geauga	A. W. Young	Chardon.
Greene	H. McQuiston	Xenia.
Guernsey	Philip T. Snitt	Cambridge.
Hamilton	G. J. Lieninger	Cincinnati.
Hancock	Paul Kemerer	Findlay.
Hardin	Chas. Collier	Kenton.
Harrison	Geo. W. Woodborne	Cadiz.
Henry	Ransom P. Osborn	Napoleon.
Highland	Calvin Stroup	Hillsborough.
Hocking	John E. Swart	Logan.
Holmes	Wm. C. McDowell	Millersburg.
Huron	Jno. F. Rudolph, Jr.	Norwalk.
Jackson	T. J. Edwards	Jackson.
Jefferson	Moses J. Urquhart	Steubenville.
Knox	John Myers	Mt. Vernon.
Lake	Isaac Everett	Painesville.
Lawrence	Wm. Donohoe	Ironton.
Licking	Wm. E. Atkinson	Newark.
Logan	John O. Sweet	Bellefontaine.
Lorain	Wm. H. Tucker	Elyria.
Lucas	Josiah W. White	Toledo.
Madison	Leonard Eastman	London.
Mahoning	F. M. Simon	Canfield.
Marion	Benj. F. Stohl	Marion.
Medina	Wm. I. Nash	Medina.
Meigs	John McClure	Pomeroy.
Mercer	J. B. Perwessel	Celina.
Miami	George Green	Troy.
Monroe	Arch. Hoskinson	Woodsfield.
Montgomery	Johnson Snyder	Dayton.
Morgan	Wm. Kirkbride	McConnellsville.
Morrow	Dan'l D. Booher	Mt. Gilead.
Muskingum	Wm. H. Cunningham	Zanesville.
Noble	Thomas Lloyd	Caldwell.

COUNTY RECORDERS—Continued.

Counties.	Names.	Post Office.
Ottawa.....	J. W. Correll	Port Clinton.
Paulding	Chas. Hakes	Paulding.
Perry	Wm. G. Buckner	New Lexington.
Pickaway	Terrence C. Lynch	Circleville.
Pike	Wm. Allison	Waverly.
Portage	Geo. W. Barrett.....	Ravenna.
Preble	Isaac N. Silver.....	Eaton.
Putnam	Wm. N. Wetherell.....	Ottawa.
Richland	A. H. Littler.....	Mansfield.
Ross	Wm. Briggs	Chillicothe.
Sandusky	Wm. W. Stine	Fremont.
Scioto	Lewis E. Currie.....	Portsmouth.
Seneca	Wm. DeWitt.....	Tiffin.
Shelby	A. L. Marshall	Sidney.
Stark	Marcus E. Wilcox	Canton.
Summit	G. Thorp	Akron.
Trumbull	Elmer Moses	Warren.
Tuscarawas	J. Mygrantz	New Philadelphia.
Union	Hiram Roney	Marysville.
Van Wert	Wm. H. Deniston	Van Wert.
Vinton	Thos. A. Murray.....	McArthur.
Warren	Thos. H. Blake	Lebanon.
Washington	Jas. Nixon.....	Marietta.
Wayne	Chas. E. Greater	Wooster.
Williams	Robt. D. Dole.....	Bryan.
Wood	Stephen Merry.....	Bowling Green.
Wyandot	Adam Stutz.....	Upper Sandusky.

PROSECUTING ATTORNEYS.

Counties.	Names.	Post Office.
Adams	Frank D. Bayless	West Union.
Allen	Ed. A. Ballard	Lima.
Ashland	John T. McCray	Ashland.
Ashtabula	Edward C. Wade	Jefferson.
Athens	Charles Townsend	Athens.
Anglaize	Robt. D. Marshall	Wapakoneta.
Belmont	Wilson S. Kennon	St. Clairsville.
Brown	Wm. J. Thompson	Georgetown.
Butler	Henry L. Morey	Hamilton.
Carroll	Charles W. Newell	Carrollton.
Champaign	G. M. Eichelbarger	Urbana.
Clarke	Thos. J. Pringle	Springfield.
Clermont	Thos. A. Griffith	Batavia.
Clinton	Melville Hayes	Wilmington.
Columbiana	Wm. A. Nichols	New Lisbon.
Coshocton	Richard M. Voorhes	Coshocton.
Crawford	J. W. Coulter	Bucyrus.
Cuyahoga	Homer B. DeWolf	Cleveland.
Darke	Charles Calkins	Greenville.
Defiance	Silas T. Sutphin	Defiance.
Delaware	John S. Jones	Delaware.
Erie	Fred. W. Cogswell	Sandusky City.
Fairfield	John G. Reeves	Lancaster.
Fayette	A. R. Creamer	Washington C. H.
Franklin	Geo. K. Nash	Columbus.
Fulton	J. W. Roseborough	Ottokee.
Gallia	Taylor W. Hampton	Gallipolis.
Geauga	Lucian E. Durfee	Chardon.
Greene	James E. Hawes	Xenia.
Guernsey	James O. Grimes	Cambridge.
Hamilton	Wm. M. Ampt	Cincinnati.
Hancock	Geo. F. Pendleton	Findlay.
Hardin	James Watt	Kenton.
Harrison	John S. Pearce	Cadiz.
Henry	Jas. L. Robertson	Napoleon.
Highland	E. M. DeBruin	Hillaborough.
Hocking	Homer L. Wright	Logan.
Holmes	L. R. Hoagland	Millersburg.
Huron	Geo. W. Knapp	Norwalk.
Jackson	John L. Jones	Jackson.
Jefferson	Wm. P. Hays	Staubenville.
Knox	Abel Hart	Mt. Vernon.
Lake	A. L. Tinker	Painesville.
Lawrence	Thos. Cherrington	Ironton.
Licking	Samuel M. Hunter	Newark.
Logan	Duncan Dow	Bellefontaine.
Lorain	Chas. W. Johnson	Elyria.
Lucas	Jos. D. Ford	Toledo.
Madison	S. W. Durlinger	London.
Mahoning	A. W. Jones	Canfield.
Marion	Caleb H. Norris	Marion.
Medina	Wm. P. Pancoast	Medina.
Meigs	J. P. Bradbury	Pomeroy.
Mercer	Wm. F. Miller	Celina.
Miami	Henry H. Williams	Troy.
Monroe	Albert J. Pearson	Woodsfield.
Montgomery	Elihu Thompson	Dayton.
Morgan	Wm. Foulke	McConnellsville.
Morrow	Thos. E. Duncan	Mt. Gilead.
Muskingum	M. I. Southard	Zanesville.
Noble	David S. Spriggs	Caldwell.

PROSECUTING ATTORNEYS—Continued.

Counties.	Names.	Post Office.
Ottawa.....	W. W. Atkins.....	Port Clinton.
Paulding.....	Jno. W. Ayres.....	Paulding.
Perry.....	Henry A. Sheeran.....	New Lexington.
Pickaway.....	Isaac N. Abernathy.....	Circleville.
Pike.....	John T. Moore.....	Waverly.
Portage.....	C. A. Reed.....	Ravenna.
Preble.....	John V. Campbell.....	Eaton.
Putnam.....	Stanberry Sutton.....	Ottawa.
Richland.....	John K. Cowan.....	Manassfield.
Ross.....	L. T. Neal.....	Chillicothe.
Sandusky.....	A. B. Putnam.....	Fremont.
Scioto.....	Henry E. Jones.....	Portsmouth.
Seneca.....	Frank Baker.....	Tiffin.
Shelby.....	N. R. Burreas.....	Sidney.
Stark.....	Wm. A. Lynch.....	Canton.
Summit.....	Jacob A. Kohler.....	Akron.
Trumbull.....	Wm. T. Spear.....	Warren.
Tuscarawas.....	J. J. Robinson.....	New Philadelphia.
Union.....	L. Piper.....	Marysville.
Van Wert.....	Jas. L. Price.....	Van Wert.
Vinton.....	U. S. Claypool.....	McArthur.
Warren.....	J. Kelly O'Neill.....	Lebanon.
Washington.....	W. Brabham.....	Marietta.
Wayne.....	Thos. Y. McCray.....	Wooster.
Williams.....	P. Smith.....	Bryan.
Wood.....	J. A. Shannon.....	Bowling Green.
Wyandot.....	M. H. Kirby.....	Upper Sandusky.

SHERIFFS.

Counties.	Names.	Post Office.
Adams	Lyman P. Stivers	West Union.
Allen	Jas. A. Colbath	Lima.
Ashland	Wm. O. Porter	Ashland.
Ashtabula	A. W. Stiles	Jefferson.
Athens	Andrew J. Reynolds	Athens.
Auglaize	Frederick Kohler	Wapakoneta.
Belmont	Wm. H. Harp	St. Clairsville.
Brown	John Dillon	Georgetown.
Butler	Wm. H. Allen	Hamilton.
Carroll	Jas. A. George	Carrollton.
Champaign	Thos. McConnell	Urbana.
Clarke	E. G. Coffin	Springfield.
Clermont	John R. Woodlief	Batavia.
Clinton	Jas. L. Hackney	Wilmington.
Columbiana	Thos. C. Morris	New Lisbon.
Coshooton	Joshua H. Carr	Coshooton.
Crawford	James Worden	Bucyrus.
Cuyahoga	Jno. N. Frazee	Cleveland.
Darke	N. M. Wilson	Greenville.
Defiance	Jacob Karst	Defiance.
Delaware	William Brown	Delaware.
Erie	Chas. H. Botaford	Sandusky City.
Fairfield	John D. Jackson	Lancaster.
Fayette	Conrad Garis	Washington C. H.
Franklin	Samuel Thompson	Columbus.
Fulton	Joseph H. Brigham	Ottokee.
Gallia	Amos Ripley	Gallipolis.
Geauga	Samuel E. Clapp	Chardon.
Greene	Wm. H. Glotfelter	Xenia.
Guernsey	Walter B. Barnett	Cambridge.
Hamilton	Jos. E. Heart	Cincinnati.
Hancock	Samuel Myers	Findlay.
Hardin	Nicholas S. Weaver	Kenton.
Harrison	Samuel S. Hamill	Cadiz.
Henry	Chas. Reiter	Napoleon.
Highland	Cary T. Pope	Hillsborough.
Hocking	Robert Curran	Logan.
Holmes	Jas. S. McComb	Millersburg.
Huron	Edward C. Culp	Norwalk.
Jackson	Johnson Wade	Jackson.
Jefferson	Thomas H. Montgomery	Staubenville.
Knox	Allen J. Beach	Mt. Vernon.
Lake	Samuel Win	Painesville.
Lawrence	Wm. S. Merrill	Ironton.
Licking	Edwin Williams	Newark.
Logan	John A. McIlvaine	Bellefontaine.
Lorain	Xenophon Peck	Elyria.
Lucas	P. H. Dowling	Toledo.
Madison	Henry T. Strawbridge	London.
Mahoning	Matthew Logan	Canfield.
Marion	John H. Weaver	Marion.
Medina	N. W. Piper	Medina.
Meigs	Thornton Mallory	Pomeroy.
Mercer	Thornton Spriggs	Celina.
Miami	Wm. A. Evans	Troy.
Monroe	Geo. Caldwell	Woodsfield.
Montgomery	M. J. Swadener	Dayton.
Morgan	Aug. D. Havener	McConnellsville.
Morrow	Stephen A. Parsons	Mt. Gilead.
Muskingum	Benson Lloyd	Zanesville.
Noble	A. C. Lawrence	Caldwell.

SHERIFFS.—Continued.

Counties.	Names.	Post Office.
Ottawa	H. A. Bowland	Port Clinton.
Paulding	J. A. Ferguson	Paulding.
Perry	Noah Carr	New Lexington.
Pickaway	Caleb Hall	Circleville.
Pike	Daniel L. Sailor	Waverly.
Portage	Otis B. Paine	Ravenna.
Preble	J. H. Bostick	Eaton.
Putnam	W. L. Albright	Ottawa.
Richland	Robt. Moore	Mansfield.
Ross	John S. Mace	Chillicothe.
Sandusky	A. Young	Fremont.
Scioto	John W. Lewis	Portsmouth.
Seneca	John Werley	Tiffin.
Shelby	Chas. Eisenstein	Sidney.
Stark	Wm. Baxter	Canton.
Summit	Aug. Curtiss	Akron.
Trumbull	G. W. Dickinson	Warren.
Tuscarawas	J. DeGrief	New Philadelphia.
Union	Robt. Sharp	Marysville.
Van Wert	A. B. Gleason	Van Wert.
Vinton	Daniel Booth	McArthur.
Warren	John L. Ely	Lebanon.
Washington	S. L. Grosvenor	Marietta.
Wayne	George Steel	Wooster.
Williams	Henry L. Walker	Bryan.
Wood	J. W. Brownsberger	Bowling Green.
Wyandot	Henry Myers	Upper Sandusky.

TIMES OF HOLDING COURTS IN OHIO IN 1872.

FIRST DISTRICT.

District Court.

Hamilton, April 15; October 7.

Common Pleas.

Hamilton, January 2, June 3, November 4.

SECOND DISTRICT.

District Court.

Butler, April 1; Champaign, April 29; Clarke, May 2; Clinton, May 16; Darke, April 17; Greene, May 6; Miami, April 24; Montgomery, May 10; Preble, April 15; Warren, May 13.

Common Pleas.

Butler, January 9, May 20, October 14.
Champaign, February 19, June 10, November 25.
Clarke, January 15, June 3, October 14.
Clinton, February 26, June 17, November 25.
Darke, January 8, May 20, October 14.
Greene, February 26, June 17, November 25.
Miami, January 15, May 20, September 9.
Montgomery, January 8, June 17, October 14.
Preble, March 4, June 10, November 25.
Warren, January 15, June 3, October 14.

THIRD DISTRICT.

District Court.

Allen, September 16; Anglaize, September 6; Crawford, April 15; Defiance, April 10; Fulton, April 3; Hancock, April 19; Hardin, September 2; Henry, April 9; Logan, August 29; Marion, April 17; Mercer, September 9; Paulding, April 11; Putnam, September 11; Seneca, April 22; Shelby, September 4; Union, August 27; Van Wert, September 13; Williams, April 2; Wood, April 4; Wyandot, April 12.

Common Pleas.

Allen, February 12, May 6, November 11.
 Anglaize, March 4, May 27, October 14.
 Crawford, February 26, June 3, November 4.
 Defiance, February 13, April 30, September 24.
 Fulton, March 5, May 21, November 5.
 Hancock, February 12, May 13, October 1.
 Hardin, February 12, May 20, October 14.
 Henry, February 27, May 14, October 22.
 Logan, March 11, June 17, November 25.
 Marion, January 3, May 1, September 24.
 Mercer, February 19, April 29, November 11.
 Paulding, February 20, May 7, October 8.
 Putnam, January 29, April 22, October 14.
 Seneca, March 4, June 10, November 11.
 Shelby, February 26, June 3, November 4.
 Union, January 29, May 6, September 23.
 Van Wert, January 16, May 14, October 29.
 Williams, March 19, June 4, November 19.
 Wood, January 23, May 21, October 15.
 Wyandot, January 22, April 29, September 9.

FOURTH DISTRICT.

District Court.

Erie, April 11; Huron, April 1; Lucas, April 15; Sandusky, April 4; Ottawa, April 8;
 Lorain, August 26; Medina, August 29; Summit, September 2; Cuyahoga, September 9.

Common Pleas.

Erie, January 29, May 27, October 14.
 Huron, February 26, June 3, November 11.
 Lucas, February 5, May 6, October 14.
 Sandusky, January 22, April 22, October 14.
 Ottawa, January 15, May 13, September 23.
 Lorain, January 29, May 7, October 14.
 Medina, January 15, April 29, September 30.
 Summit, January 29, May 7, October 14.
 Cuyahoga, February 12, May 6, November 4.

FIFTH DISTRICT.

District Court.

Madison, April 30; Franklin, May 1; Pickaway, May 7; Fayette, May 13; Adams, September 18; Brown, September 20; Clermont, September 26; Highland, September 30; Ross, October 2.

Common Pleas.

Adams, January 23, May 21, September 24.
Brown, February 6, June 4, October 9.
Clermont, February 20, June 11, November 5.
Fayette, February 26, June 18, November 26.
Highland, January 16, April 9, October 9.
Ross, January 30, May 21, October 22.
Franklin, February 5, May 14, October 14.
Madison, January 23, April 9, September 17.
Pickaway, March 4, June 10, November 11.

SIXTH DISTRICT.

District Court.

Ashland, July 5; Coshocton, May 27; Delaware, June 10; Holmes, July 10; Knox, July 1; Licking, May 30; Morrow, June 17; Richland, June 24; Wayne, July 8.

Common Pleas.

Ashland, April 2, September 16, December 9.
Coshocton, February 13, April 30, October 15.
Delaware, March 26, August 13, November 26.
Holmes, January 22, April 15, September 2.
Knox, February 13, May 7, October 15.
Licking, January 22, April 1, August 19.
Morrow, February 5, July 29, October 21.
Richland, February 26, August 12, November 11.
Wayne, March 11, August 5, November 25.

SEVENTH DISTRICT.

District Court.

Athens, September 3; Fairfield, August 27; Gallia, April 18; Hocking, August 31; Jackson, September 10; Lawrence, April 22; Meigs, April 15; Perry, August 22; Pike, April 29; Scioto, April 25; Vinton, September 7; Washington, April 11.

Common Pleas.

Athens, March 7, May 30, November 1.
Fairfield, March 4, June 3, October 29.
Gallia, February 19, May 13, October 15.
Hocking, February 12, May 20, October 15.
Jackson, March 4, May 27, October 15.
Lawrence, January 29, May 6, September 17.
Meigs, February 5, April 29, September 24.
Perry, January 29, May 6, October 1.
Pike, April 2, June 24, November 19.
Scioto, March 11, June 3, October 29.
Vinton, February 12, May 6, September 17.
Washington, March 4, May 27, October 31.

EIGHTH DISTRICT.

District Court.

Belmont, September 11; **Guernsey**, September 16; **Harrison**, September 23; **Jefferson**, September 25; **Monroe**, September 9; **Morgan**, September 2; **Noble**, September 5; **Muskingum**, August 26; **Tuscarawas**, September 20.

Common Pleas.

Belmont, February 13, April 30, November 5.
Guernsey, February 13, April 30, October 15.
Harrison, February 5, May 6, October 21.
Jefferson, March 4, June 3, November 25.
Monroe, March 26, June 18, October 19.
Morgan, March 19, June 11, November 12.
Muskingum, February 20, April 30, October 29.
Noble, February 6, June 11, October 15.
Tuscarawas, February 19, May 20, November 4.

NINTH DISTRICT.

District Court.

Ashtabula, April 27; **Carroll**, August 19; **Columbiana**, August 27; **Geauga**, April 25; **Lake**, April 22; **Mahoning**, September 2; **Portage**, April 18; **Stark**, August 22; **Trumbull**, April 15.

Common Pleas.

Ashtabula, March 18, June 10, November 11.
Carroll, January 8, April 1, September 9.
Columbiana, January 22, May 6, October 14.
Geauga, February 13, May 13, September 16.
Lake, February 26, May 27, October 14.
Mahoning, February 12, May 20, October 14.
Portage, January 22, May 27, October 21.
Stark, February 12, May 27, November 11.
Trumbull, March 11, September 9, November 11.

4—Ex. Doc. Pt. I.

INCORPORATED COMPANIES.

MANUFACTURING COMPANIES.

- Dayton Machine Company. Certificate of incorporation filed November 16, 1870.
- Delphos Stone and Stave Company. Certificate of incorporation filed November 16, 1870.
- The Acme Manufacturing Company. Certificate of incorporation filed November 21, 1870.
- Columbus Rolling Mill Company. Certificate of incorporation filed November 25, 1870.
- The Mt. Gilend Sewing Machine Company. Certificate of incorporation filed November 26, 1870.
- Bellefontaine Agricultural Works. Certificate of incorporation filed November 26, 1870.
- Massillon Paper Company. Certificate of incorporation filed November 28, 1870.
- White Manufacturing Company. Certificate of incorporation filed November 28, 1870.
- B. C. Taylor Manufacturing Company. Certificate of incorporation filed December 1, 1870.
- The Chillicothe Rolling Mill Company. Certificate of incorporation filed December 7, 1870.
- The Hamilton Whisky Company. Certificate of incorporation filed December 8, 1870.
- The Diamond Mill Company. Certificate of incorporation filed December 15, 1870.
- National Cattle Car Company. Certificate of incorporation filed December 15, 1870.
- Buckeye Engine Company. Certificate of incorporation filed December 19, 1870.
- Crystal Paper Mill Company. Certificate of incorporation filed December 19, 1870.
- The Little Miami Milk Company. Certificate of incorporation filed December 22, 1870.
- Door, Sash and Blind Company of Columbus, Ohio. Certificate of incorporation filed December 22, 1870.
- Brookwalter, Bro. and Company. Certificate of incorporation filed December 23, 1870.
- Dover Fire Brick Company. Certificate of incorporation filed December 27, 1870.
- Delphos Hub and Spoke Company. Certificate of incorporation filed December 27, 1870.
- Franz and Pope Knitting Machine Company. Certificate of incorporation filed December 28, 1870.
- Vermont Marble Company. Certificate of incorporation filed December 31, 1870.
- Richland Agricultural Works. Certificate of incorporation filed January 13, 1871.
- West Liberty Wheel Company. Certificate of incorporation filed January 19, 1871.
- The Youngstown Rolling Mill Company. Certificate of incorporation filed January 19, 1871.
- Norwalk Paper Company. Certificate of incorporation filed January 21, 1871.
- Wrought Iron Bridge Company. Certificate of incorporation filed January 21, 1871.
- The Hamilton County Metaline Company. Certificate of incorporation filed January 24, 1871.
- New Lexington Woolen Company. Certificate of incorporation filed January 27, 1871.
- Moser Decoration Company. Certificate of incorporation filed January 27, 1871.

The Winslow Car Roofing Company. Certificate of incorporation filed January 28, 1871.

The King Iron Bridge and Manufacturing Company. Certificate of incorporation filed January 30, 1871.

The American Broiler Manufacturing Company. Certificate of incorporation filed January 31, 1871.

Hooking Valley Wine Company of Lancaster, Ohio. Certificate of incorporation filed February 7, 1871.

The Crandall Hemp-Brake Company. Certificate of incorporation filed February 10, 1871.

Akron Agricultural Works. Certificate in of corporation filed February 14, 1871.

Marysville Cheese Manufacturing Company. Certificate of incorporation filed February 14, 1871.

Mingo Iron Company. Certificate of incorporation filed February 16, 1871.

The Iron Steamboat, Steamship and Barge Building Company. Certificate of incorporation filed February 17, 1871.

The Berea Stone Company. Certificate of incorporation filed February 18, 1871.

Gibbs' Plow Company. Certificate of incorporation filed February 18, 1871.

Iron Clad Paint Company. Certificate of incorporation filed February 20, 1871.

Union Mills Flouring Company, of Van Wert, O. Certificate of incorporation filed February 20, 1871.

Franklin Manufacturing Company. Certificate of incorporation filed Feb. 21, 1871.

The People's Milling Association of Van Wert, Ohio. Certificate of incorporation filed February 23, 1871.

Central Stove Works. Certificate of incorporation filed February 27, 1871.

The Norwalk Woolen Mill Company. Certificate of incorporation filed Feb. 27, 1871.

Cleveland City Forge and Iron Company. Certificate of incorporation filed February 28, 1871.

Van Wert Woolen Mills. Certificate of incorporation filed March 2, 1871.

American Match Company. Certificate of incorporation filed March 4, 1871.

Lima Stave and Barrel Company. Certificate of incorporation filed March 6, 1871.

Springfield Steam Bakery and Confectionery Company. Certificate of incorporation filed March 9, 1871.

Cincinnati Wine Company. Certificate of incorporation filed March 16, 1871.

The Toledo Frear Stone Company. Certificate of incorporation filed March 20, 1871.

The Railroad Car Ventilator Company. Certificate of incorporation filed March 21, 1871.

Ohio Iron Company. Certificate of incorporation filed March 27, 1871.

The Atwater Stone Ware Company. Certificate of incorporation filed March 29, 1871.

The McConnelville Oil Company. Certificate of incorporation filed March 29, 1871.

New Paris Building and Saving Association. Certificate of incorporation filed April 1, 1871.

Ohio Barrel Company. Certificate of incorporation filed April 4, 1871.

Excelsior School Furnitue Manufacturing Company. Certificate of incorporation filed April 5, 1871.

The Old Portage Cheese Factory Company. Certificate of incorporation filed April 6, 1871.

Malta Wagon Works. Certificate of incorporation filed April 8, 1871.

Cushman Cable Rod Company. Certificate of incorporation filed April 10, 1871.

The Boston Union Cheese Factory Company, of Boston, Summit county, Ohio. Certificate of incorporation filed April 11, 1871.

The Distillers' Manufacturing Company. Certificate of incorporation filed April 12, 1871.

Miamisburg Paper Mill Company. Certificate of incorporation filed April 22, 1871.

- Jefferson Glass Works. Certificate of incorporation filed April 25, 1871.
- Wheelersburg Drain Tile Company. Certificate of incorporation filed April 28, 1871.
- Findlay Plow Company. Certificate of incorporation filed May 4, 1871.
- Constantine Woolen Mills. Certificate of incorporation filed May 8, 1871.
- Coahocton Iron and Steel Company. Certificate of incorporation filed May 9, 1871.
- American Road Steamer Company. Certificate of incorporation filed May 9, 1871.
- Cumminsville Woolen Mills. Certificate of incorporation filed May 17, 1871.
- Cleveland Cement Pipe Company. Certificate of incorporation filed May 26, 1871.
- Hunter & Co. Certificate of incorporation filed May 27, 1871.
- Ashtabula Stove Company. Certificate of incorporation filed May 29, 1871.
- The Dayton Gauge Company. Certificate of incorporation filed May 29, 1871.
- Marietta Lock Works. Certificate of incorporation filed May 30, 1871.
- Leontia Nail and Bolt Company. Certificate of incorporation filed June 10, 1871.
- The Divided Medicine Company. Certificate of incorporation filed June 14, 1871.
- The Cleveland Improved Wrench Company. Certificate of incorporation filed June 22, 1871.
- Winslow Barb Nail Company. Certificate of incorporation filed June 28, 1871.
- Canton Steam Engine Works, P. P. Bush & Co. Certificate of incorporation filed July 1, 1871.
- The Greenville Manufacturing Company. Certificate of incorporation filed July 7, 1871.
- Rhodes Rivet Company. Certificate of incorporation filed July 11, 1871.
- Leontia Paper Mill Company. Certificate of incorporation filed July 12, 1871.
- Findlay Machine Company. Certificate of incorporation filed July 20, 1871.
- Valley Iron Company. Certificate of incorporation filed July 24, 1871.
- Put-in-Bay Island Wine Company. Certificate of incorporation filed August 8, 1871.
- Champion Manufacturing Company. Certificate of incorporation filed August 15, 1871.
- Hamilton Woolen Mills. Certificate of incorporation filed August 15, 1871.
- The Hydraulic Giant Water Wheel Company of Ohio. Certificate of incorporation filed August 19, 1871.
- Cincinnati Cooperage Company. Certificate of incorporation filed August 24, 1871.
- Boston Cheese Factory. Certificate of incorporation filed August 25, 1871.
- Cleveland Lock and Shield Company. Certificate of incorporation filed August 31, 1871.
- North Bass Island Wine Company. Certificate of incorporation filed Sept. 4, 1871.
- Richland Furnace Company. Certificate of incorporation filed September 6, 1871.
- The Whittlesey Proprietary Medicine Company. Certificate of incorporation filed September 12, 1871.
- Washingtonville Foundry and Manufacturing Company. Certificate of incorporation filed September 15, 1871.
- The Lowell Foundry and Manufacturing Company. Certificate of incorporation filed September 21, 1871.
- St. Mary's Woolen Manufacturing Company. Certificate of incorporation filed September 27, 1871.
- Columbus Wood-work Company. Certificate of incorporation filed October 3, 1871.
- The Farmers' Friend Manufacturing Company. Certificate of incorporation filed October 4, 1871.
- Universal Door and Gate Spring Manufacturing Company. Certificate of incorporation filed October 5, 1871.
- The Cincinnati Stationary Engine and Hydraulic Works. Certificate of incorporation filed October 6, 1871.
- Baron Manufacturing Company. Certificate of incorporation filed October 16, 1871.

- Eclipse Machine Company. Certificate of incorporation filed October 17, 1871.
 Union Steel Screw Company. Certificate of incorporation filed October 20, 1871.
 The Copper Tube Lightning Rod Company. Certificate of incorporation filed October 25, 1871.
 Pomeroy Stock Brewery. Certificate of incorporation filed October 27, 1871.
 The Ohio Wheel Company of Delphos, Ohio. Certificate of incorporation filed October 30, 1871.
 Harmar Flouring Mills. Certificate of incorporation filed November 9, 1871.
 Girard Stove Works. Certificate of incorporation filed November 13, 1871.
 Logan Furnace Company. Certificate of incorporation filed November 13, 1871.
 The Lexington Washing Machine Company of Ohio. Certificate of incorporation filed November 13, 1871.
 Cadiz Planing Mill Company. Certificate of incorporation filed November 15, 1871.

INCREASE OF CAPITAL STOCK.

- Alliance Rolling Mill Company. Certificate of increase of capital stock filed December 7, 1870.
 Tiffin Woolen Mills. Certificate of increase of capital stock filed January 4, 1871.
 J. F. Seiberling Company. Certificate of increase of capital stock filed January 16, 1871.
 Marietta Chair Company. Certificate of increase of capital stock filed January 16, 1871.
 The Newark Rolling Mill Company. Certificate of increase of capital stock filed January 27, 1871.
 Buckeye Salt Company. Certificate of increase of capital stock filed February 6, 1871.
 Van Wert Stave Company. Certificate of increase of capital stock filed February 11, 1871.
 Cleveland Rolling Mill Company. Certificate of increase of capital stock filed March 29, 1871.
 The Beckett Paper Company. Certificate of increase of capital stock filed March 30, 1871.
 Friend and Fox Paper Company. Certificate of increase of capital stock filed May 4, 1871.
 Cleveland Non-Explosive Lamp Company. Certificate of increase of capital stock filed June 9, 1871.
 Van Wert Stave Company. Certificate of increase of capital stock filed July 24, 1871.
 Belfont Iron Works Company. Certificate of increase of capital stock filed November 4, 1871.

REDUCTION OF CAPITAL STOCK.

- Distillers' Manufacturing Company. Certificate of reduction of capital stock filed October 31, 1871.

CHANGE OF NAME.

- Marietta Chair Company. Copy of decree of court changing name of Marietta Chair and Furniture Manufacturing Company to same, filed December 15, 1870.
 Marietta Box and Wheel Company. Copy of decree of court changing name of Maris Box and Wheel Company to same, filed June 16, 1871.
 Akron Sewer Pipe Company. Copy of decree of court changing name from "Adams and Hill Sewer Pipe Company" to same, filed July 5, 1871.

BUILDING AND LOAN ASSOCIATIONS.

- Merchants' and Mechanics' Building and Saving Association of Marion. Certificate of incorporation filed November 16, 1870.

The Marietta Building Association No. 2. Certificate of incorporation filed November 16, 1870.

Der Marietta Ban Varein No. 1. Certificate of incorporation filed November 17, 1870.

Lima Building and Loan Association. Certificate of incorporation filed November 19, 1870.

East End Building Association No. 2, of Cincinnati. Certificate of incorporation filed November 22, 1870.

Laborers' Savings Association. Certificate of incorporation filed November 23, 1870.

Mechanics' Building, Savings and Loan Association of Ulrichsville and Dennison. Certificate of incorporation filed December 1, 1870.

The First Van Wert Building, Loan and Savings Association. Certificate of incorporation filed December 7, 1870.

The Merchants' and Mechanics' Building and Loan Association. Certificate of incorporation filed December 7, 1870.

The Harmar Building Association. Certificate of incorporation filed December 12, 1870.

The Alliance Deposit and Loan Bank. Certificate of incorporation filed December 30, 1870.

The Warren Savings and Loan Association. Certificate of incorporation filed January 3, 1871.

The Louisville Building and Loan Association. Certificate of incorporation filed January 4, 1871.

Workingmen Building and Loan Association of Delphos, Ohio. Certificate of incorporation filed January 11, 1871.

Mechanics' Building and Loan Association of Circleville, Ohio. Certificate of incorporation filed January 13, 1871.

The Mount Pleasant Savings and Building Association. Certificate of incorporation filed January 18, 1871.

The South Bloomfield Building and Saving Association. Certificate of incorporation filed January 18, 1871.

The Mechanics' Savings, Loan and Building Association. Certificate of incorporation filed January 19, 1871.

Mechanics' Building Loan Association. Certificate of incorporation filed January 21, 1871.

Farmers' Savings and Loan Association. Certificate of incorporation filed January 24, 1871.

Meigs Building and Savings Association. Certificate of incorporation filed January 25, 1871.

Niles Homestead and Loan Association. Certificate of incorporation filed January 25, 1871.

The Portsmouth Building and Savings Association. Certificate of incorporation filed January 26, 1871.

Kelly Building Association. Certificate of incorporation filed January 26, 1871.

Hocking Valley Building and Loan Association. Certificate of incorporation filed January 30, 1871.

First German Building Association of Portsmouth, Ohio. Certificate of incorporation filed February 6, 1871.

Leesburg Building and Loan Association. Certificate of incorporation filed February 6, 1871.

The Merchants' and Clerks' Savings Institution. Certificate of incorporation filed February 9, 1871.

Findley Building Association of Cincinnati. Certificate of incorporation filed February 16, 1871.

New Holland Building and Loan Association. Certificate of incorporation filed February 17, 1871.

Columbus Real Estate and Building Loan Association. Certificate of incorporation filed February 17, 1871.

The New Vienna Building and Loan Association. Certificate of incorporation filed February 21, 1871.

Madison Building and Loan Association. Certificate of incorporation filed February 22, 1871.

Mechanics' Building and Loan Association. Certificate of incorporation filed February 22, 1871.

The Lowell Building Association No. 1. Certificate of incorporation filed March 1, 1871.

Home Building and Loan Association of Columbus, Ohio. Certificate of incorporation filed March 4, 1871.

Hillsboro Building and Savings Association. Certificate of incorporation filed March 13, 1871.

Covington, Ohio, Building and Loan Association. Certificate of incorporation filed March 14, 1871.

Lynchburg Building and Loan Association. Certificate of incorporation filed March 15, 1871.

The Great Western Building Association of Cincinnati, Ohio. Certificate of incorporation filed March, 20, 1871.

The Greenfield Union Land and Building Association. Certificate of incorporation filed March 24, 1871.

The Knoxville Savings Association. Certificate of incorporation filed March 27, 1871.

Tarleton Building and Loan Association. Certificate of incorporation filed March 30, 1871.

The Middle Point Building, Loan and Savings Association. Certificate of incorporation filed April 5, 1871.

Pemberton Building and Loan Association. Certificate of incorporation filed April 5, 1871.

Hocking Building Association. Certificate of incorporation filed April 15, 1871.

Border City Building and Loan Association of Piqua. Certificate of incorporation filed April 20, 1871.

West Salem Land and Building Loan Association. Certificate of incorporation filed April 21, 1871.

Monitor Building Association of Cincinnati, Ohio. Certificate of incorporation filed April 24, 1871.

The California Building and Savings Association, No. 1, of California, Hamilton county, O. Certificate of incorporation filed May 1, 1871.

Washington Building Association. Certificate of incorporation filed May 4, 1871.

Ohio Building and Loan Association. Certificate of incorporation filed May 6, 1871.

The Crawford Savings, Loan and Building Association of Bucyrus, O. Certificate of incorporation filed May 10, 1871.

Second German Building Association of Portsmouth, Ohio. Certificate of incorporation filed May 13, 1871.

Atlantic Building Association of Cincinnati. Certificate of incorporation filed May 16, 1871.

Blanchester Building and Loan Association. Certificate of incorporation filed May 18, 1871.

Quincy Building and Loan Association, of Quincy, Ohio. Certificate of incorporation filed May 19, 1871.

Sandusky Mutual Building Association. Certificate of incorporation filed May 20, 1871.

The Fremont Savings, Building and Loan Association. Certificate of incorporation filed May 24, 1871.

Home Building Association of Cincinnati. Certificate of incorporation filed May 26, 1871.

Cincinnati Enterprise Building Association. Certificate of incorporation filed May 26, 1871.

The Athens Building and Loan Association. Certificate of incorporation filed May 26, 1871.

Leesburg Improvement Association. Certificate of incorporation filed May 29, 1871.

Carroll Building and Savings Association. Certificate of incorporation filed June 3, 1871.

The Mount Lookout Building Association of Hamilton county. Certificate of incorporation filed June 10, 1871.

Cincinnati Mutual Building Association. Certificate of incorporation filed June 12, 1871.

Mechanics' Loan Company. Certificate of incorporation filed June 19, 1871.

Brighton Building Association No. 2. Certificate of incorporation filed June 20, 1871.

Cincinnati Irish Building Association No. 2. Certificate of incorporation filed June 22, 1871.

Highland Building and Loan Association. Certificate of incorporation filed June 22, 1871.

Pomeroy Savings Bank and Homestead Company. Certificate of incorporation filed June 23, 1871.

Lockland Building and Savings Association. Certificate of incorporation filed June 28, 1871.

Bismarck Building Association of Cincinnati. Certificate of incorporation filed June 30, 1871.

Germania Building and Loan Association of Columbus. Certificate of incorporation filed July 11, 1871.

Lincoln Building Association of Cincinnati. Certificate of incorporation filed July 24, 1871.

Texas Building Association No. 2 of Cincinnati. Certificate of incorporation filed August 1, 1871.

Tippecanoe Building and Loan Association. Certificate of incorporation filed August 3, 1871.

Ohio Building Association of Cincinnati, Ohio. Certificate of incorporation filed August 10, 1871.

Triumph Building Association of Cincinnati. Certificate of incorporation filed August 14, 1871.

Union Building and Loan Association No. 1 of Hamilton county. Certificate of incorporation filed August 21, 1871.

Jefferson Building and Loan Association. Certificate of incorporation filed August 29, 1871.

Morrow Building and Loan Association. Certificate of incorporation filed August 30, 1871.

Humboldt Building Association of Cincinnati. Certificate of incorporation filed August 30, 1871.

Cottage Hill Land and Building Association No. 2 of Cincinnati, Ohio. Certificate of incorporation filed September 2, 1871.

The Ninth Ward Building Association of Cincinnati, Ohio. Certificate of incorporation filed September 13, 1871.

Morgan Savings and Loan Association. Certificate of incorporation filed September 20, 1871.

Painesville Savings and Loan Association. Certificate of incorporation filed September 27, 1871.

The Building and Loan Association of Glendale. Certificate of incorporation filed October 5, 1871.

The Greenville Building and Saving Association of Greenville, Ohio. Certificate of re-organization filed October 5, 1871.

Niles Savings Association. Certificate of incorporation filed October 20, 1871.

RAILROAD COMPANIES.

The Painesville and Youngstown Railroad Company. Certificate of incorporation filed November 17, 1870.

The Hudson Branch Railroad Company. Certificate of incorporation filed November 28, 1870.

Dayton and Mineral Region Railroad Company. Certificate of incorporation filed December 14, 1870.

The Painesville and Ohio Valley Railroad Company. Certificate of incorporation filed December 29, 1870.

The West Branch of the Painesville and Ohio Valley Railroad Company. Certificate of incorporation filed December 28, 1870.

The Wheeling and Toledo Railroad Company. Certificate of incorporation filed February 1, 1871.

Dayton, Stillwater Valley and Saginaw Railroad Company. Certificate of incorporation filed February 2, 1871.

The Little Miami, Lebanon and Dayton Railway Company. Certificate of incorporation filed February 8, 1871.

The Columbus and Circleville Railroad Company. Certificate of incorporation filed February 8, 1871.

Cincinnati and Michigan Railroad Company. Certificate of incorporation filed February 9, 1871.

The Mahoning Coal Railroad Company. Certificate of incorporation filed February 25, 1871.

The Ohio and Michigan Railroad Company. Certificate of incorporation filed March 9, 1871.

Southern Ohio Railroad Company. Certificate of incorporation filed March 9, 1871.

The North-western Ohio Railroad Company. Certificate of incorporation filed March 20, 1871.

Eastern Ohio Railroad Company. Certificate of incorporation filed March 21, 1871.

The Walnut Hills and Eden Park Elevating Railway Company. Certificate of incorporation filed April 5, 1871.

Lake Shore and South-western Central Railway Company. Certificate of incorporation filed April 5, 1871.

The Wheeling and Lake Erie Railroad Company. Certificate of incorporation filed April 6, 1871.

Cleveland and Marietta Railroad Company. Certificate of incorporation filed April 6, 1871.

The Shawnee, Millertown and Mineral Railroad Company. Certificate of incorporation filed April 21, 1871.

Lake Erie, Evansville and South-western Railway Company. Certificate of incorporation filed April 22, 1871.

Scioto Valley Railroad Company. Certificate of incorporation filed May 4, 1871.

Toledo and St. Louis Air Line Railroad Company. Certificate of incorporation filed May 5, 1871.

The Ohio Valley Railway Company. Certificate of incorporation filed May 8, 1871.

Hazleton and Leetonia Railway Company. Certificate of incorporation filed May 9, 1871.

The Newark, Delaware and North-western Railway Company. Certificate of incorporation filed May 12, 1871.

Ohio and Lake Erie Railroad Company. Certificate of incorporation filed May 20, 1871.

Lima, Lafayette and Mississippi Railroad Company. Certificate of incorporation filed June 19, 1871.

Dayton and Burlington Railroad Company. Certificate of incorporation filed June 20, 1871.

The Youngstown and Austintown Railway Company. Certificate of incorporation filed June 22, 1871.

The Jackson and Maumee River Railway Company. Certificate of incorporation filed June 22, 1871.

Cincinnati and Great Northern Railroad Company. Certificate of incorporation filed July 22, 1871.

Linwood and Delhi Railway Company. Certificate of incorporation filed July 24, 1871.

Zanesville, Cumberland and Caldwell Railway Company. Certificate of incorporation filed July 27, 1871.

Detroit and South-western Railway Company. Certificate of incorporation filed July 27, 1871.

Cincinnati, Twin Valley and Greenville Railroad Company. Certificate of incorporation filed July 27, 1871.

Columbus and Millersport Railroad Company. Certificate of incorporation filed August 10, 1871.

Valley Railway Company. Certificate of incorporation filed August 21, 1871.

Columbus, Ferrara and Mineral Railway Company. Certificate of incorporation filed August 22, 1871.

Federal Creek Valley Railroad Company. Certificate of incorporation filed September 2, 1871.

Cincinnati and Michigan Railroad Company. Certificate of incorporation filed September 26, 1871.

The Cincinnati, Eaton and Greenville Railway Company. Certificate of incorporation filed October 9, 1871.

The Diamond Valley Railroad Company. Certificate of incorporation filed October 13, 1871.

The Niles, Austintown, and Canfield Railroad Company. Certificate of incorporation filed October 16, 1871.

The East Side Railroad Company of Toledo. Certificate of incorporation filed October 24, 1871.

Southern Ohio Railroad Company. Certificate of incorporation filed November 14, 1871.

Hillsboro and Cincinnati Short Line Railroad Company. Certificate of incorporation filed November 14, 1871.

RAILROAD CONSOLIDATIONS.

Baltimore, Pittsburg, Continental and Chicago Railroad Company. Articles of consolidation by and between the Baltimore, Pittsburgh and Continental Railroad Company and the Celina, Huntington and Chicago Extension of the Baltimore, Pittsburg and Continental Railroad Company forming the same, filed January 10, 1871.

The Mansfield, Coldwater and Lake Michigan Railroad Company. Articles of consolidation by and between the Ohio and Michigan Railway Company and the Mansfield, Cold Water and Lake Michigan Railway Company, forming the same, filed June 1, 1871.

Chicago and Canada Southern Railway Company. Articles of consolidation by and between the North Western Ohio Railway Company and the Chicago and Canada Southern Railway Company, forming the same, filed August 15, 1871.

New York Western Railway. Articles of consolidation by and between the North American Railway Company and the New York Western Railway Company, forming the same, filed October 24, 1871.

Chicago and Canada Southern Railway Company. Articles of consolidation by and between the Chicago and Canada Southern Railway Company and the South Eastern Michigan Railway Company, forming same, filed October 27, 1871.

RAILROAD COMPANIES—MISCELLANEOUS.

Certificate and abstract from President and Secretary of the Dayton and Michigan Railroad Company, showing authority for the issue of preferred stock to redeem bonded debt authorized by the stockholders of said company, filed February 6, 1871.

Dayton and Cincinnati Railroad Company. Capitalization paper filed March 3, 1871.

The Atlantic and Lake Erie Railway Company. Certificate of change of route filed July 11, 1871.

Columbus, Tiffin and Toledo Railroad Company. Copy of decree of court changing name of same to Baltimore and Ohio, Toledo and Michigan Railroad Company, also changing termini, filed September 23, 1871.

The Baltimore and Ohio, Toledo and Michigan Railroad Company. Copy of decree of court changing name of same to Toledo, Tiffin and Eastern Railroad Company, filed September 23, 1871.

The Lake Shore and Tuscarawas Valley Railway Company. Certificate of increase of capital stock filed September 29, 1871.

The Atlantic and Great Western Railway Company of Ohio. Certificate of reorganization after judicial sale, together with deed of transfer, filed October 19, 1871.

Fremont, Lima and Union Railway Company. Certificate of reorganization after judicial sale filed November 4, 1871.

MINING COMPANIES.

Perry Coal Company. Certificate of incorporation filed November 23, 1870.

Summerset and Hazleton Silver Mining Company. Certificate of incorporation filed November 28, 1870.

Salina Salt and Coal Company. Certificate of incorporation filed November 29, 1870.

The Cleveland and Hocking Valley Coal Company. Certificate of incorporation filed December 8, 1870.

Yellow Creek Lead Mining Company. Certificate of incorporation filed December 19, 1870.

Cleveland and Sierra Hydraulic Mining Company. Certificate of incorporation filed December 21, 1870.

The Rhodes Coal Company. Certificate of incorporation filed December 29, 1870.

The Central Shaft Coal Mining, Coke and Salt Company. Certificate of incorporation filed December 31, 1870.

The Ohio Land Company. Certificate of incorporation filed January 25, 1871.

The Straitsville Mammoth Vein Coal and Iron Company. Certificate of incorporation filed February 24, 1871.

Packard Coal Company. Certificate of incorporation filed March 29, 1871.

Wilson and Hughes Stone Company. Certificate of incorporation filed April 3, 1871.

Tunnel Hill Coal Company. Certificate of incorporation filed April 8, 1871.

The Sunday Creek Coal, Iron, Mining and Transporting Company. Certificate of incorporation filed April 18, 1871.

Ohio River Stone Company. Certificate of incorporation filed April 24, 1871.

Dry Ridge Coal and Mining Company. Certificate of incorporation filed May 4, 1871.

The Atwater Coal Company. Certificate of incorporation filed May 4, 1871.

The Summit Coal Company. Certificate of incorporation filed July 3, 1871.

The Black Diamond Mining Company. Certificate of incorporation filed August 5, 1871.

Akron Mining Company. Certificate of incorporation filed August 11, 1871.

The Spring Mountain Iron and Coal Mining Company. Certificate of incorporation filed August 15, 1871.

The Shawnee Valley Coal and Iron Company. Certificate of incorporation filed September 5, 1871.

The Mansfield Petroleum Company. Certificate of incorporation filed September 26, 1871.

The Putnam Gold and Silver Mining Company. Certificate of incorporation filed October 2, 1871.

The Weaver Coal Bank Company. Certificate of incorporation filed October 6, 1871.

Buckeye Cannel Coal Company. Certificate of incorporation filed October 11, 1871.

The Furnace Coal Company. Certificate of incorporation filed October 23, 1871.

Killbuck Valley Coal and Mining Company. Certificate of incorporation filed October 31, 1871.

Grafton Stone Company. Certificate of incorporation filed November 2, 1871.

PRINTING COMPANIES.

The Williamson and Cantwell Publishing Company. Certificate of incorporation filed January 7, 1871.

Bohemian Printing Company. Certificate of incorporation filed January 24, 1871.

The Cincinnati Leader Company. Certificate of incorporation filed January 25, 1871.

German American Publishing Association of Ripley, Ohio. Certificate of incorporation filed February 17, 1871.

Gazette Printing Company of Lancaster, Ohio. Certificate of incorporation filed March 18, 1871.

Toledo Commercial Company. Certificate of incorporation filed March 23, 1871.

Washington Printing Company. Certificate of incorporation filed April 11, 1871.

The Index Association. Certificate of incorporation filed April 15, 1871.

G. S. Newcomb Printing Company of Cleveland. Certificate of incorporation filed June 26, 1871.

Columbus Dispatch Company. Certificate of incorporation filed June 28, 1871.

Waechter Am. Erie Printing Company. Certificate of incorporation filed August 19, 1871.

The Franklin Steam Electrotpe Company of Cleveland, Ohio. Certificate of incorporation filed August 25, 1871.

The Clinic Publishing Company. Certificate of incorporation filed August 29, 1871.

Beacon Publishing Company. Certificate of incorporation filed October 26, 1871.

Bellaire Printing Company. Certificate of incorporation filed November 13, 1871.

STREET RAILROAD COMPANIES.

The Erie and Broadway Street Railway Company. Certificate of incorporation filed February 11, 1871.

The Dayton View Street Railroad Company. Certificate of incorporation filed March 22, 1871.

The Cincinnati Inclined Plane Railway Company. Certificate of incorporation filed April 21, 1871.

The North End Street Railroad Company. Certificate of incorporation filed May 1, 1871.

Lorain Street Railroad. Certificate of incorporation filed June 8, 1871.

The Wayne and Fifth Street Railroad Company. Certificate of incorporation filed August 7, 1871.

The Dayton Street Railroad Company, Route No. 5. Certificate of incorporation filed August 19, 1871.

The Home Avenue Railroad Company. Certificate of incorporation filed August 28, 1871.

Dayton View Street Railroad Company. Certificate of incorporation filed August 29, 1871.

North Columbus Street Railway Company. Certificate of incorporation filed September 12, 1871.

The North Columbus Street Railway Company. Certificate of incorporation filed October 3, 1871.

INSURANCE COMPANIES.

Aurora Fire and Marine Insurance Company. Certificate of incorporation filed January 11, 1871.

Toledo Mutual Life Insurance Company. Certificate of incorporation filed June 14, 1871.

The Amazon Insurance Company, of Cincinnati, Ohio. Certificate of incorporation filed July 6, 1871.

The Triumph Insurance Company, of Cincinnati, Ohio. Certificate of incorporation filed July 6, 1871.

INCREASE OF CAPITAL STOCK.

Home Insurance Company of Columbus, Ohio. Certificate of increase of capital stock filed December 31, 1870.

REDUCTION OF CAPITAL STOCK.

Franklin Insurance Company of Cincinnati, Ohio. Certificate of reduction of capital stock filed December 29, 1870.

Home Mutual Life Insurance Company. Certificate of reduction of capital stock filed December 30, 1870.

GAS COMPANIES.

The Lima Gas Light Company. Certificate of incorporation filed June 19, 1871.

The Findlay Gas Light Company. Certificate of incorporation filed July 7, 1871.

Galion Gas Works. Certificate of incorporation filed July 28, 1871.

Canton Gas Light and Coke Company. Certificate of increase of capital stock filed June 29, 1871.

TURNPIKE COMPANIES.

Marion and Berwick Turnpike Road Company. Certificate of incorporation filed December 21, 1870.

Cedar Hill and Lancaster Turnpike Company. Certificate of incorporation filed February 8, 1871.

The Chillicothe and New Holland Turnpike Company. Certificate of incorporation filed March 2, 1871.

The Amanda Turnpike Company. Certificate of incorporation filed March 14, 1871.

The Walnut Creek Road Improvement Company. Certificate of incorporation filed October 11, 1871.

TURNPIKE COMPANIES—MISCELLANEOUS.

Certificate of acceptance of the provisions of the act of March 11, 1867, by the Portsmouth and Columbus Turnpike Company (south). Filed February 20, 1871.

Certificate of acceptance of the provisions of the act of March 16, 1865, by the Portsmouth and Columbus Turnpike Company (south). Filed March 10, 1871.

Ripley and Hillsboro Turnpike Company reorganization after judicial sale. Transcript of proceedings and certificate of reorganization filed June 26, 1871.

Certificate of acceptance of the provisions of the act of February 8, 1826, by the Portsmouth and Columbus Turnpike Company (south). Filed September 14, 1871.

Great Miami Turnpike Company. Certificate of change of time of annual meeting filed February 7, 1871.

BOARDS OF TRADE.

The Board of Trade of Dayton. Certificate of incorporation filed November 17, 1870.
Board of Trade of the city of Newark. Certificate of incorporation filed February 17, 1871.

The Ironton Board of Trade. Certificate of incorporation filed June 28, 1871.

CO-OPERATIVE TRADE ASSOCIATIONS.

Charlestown Co-operative Store Association. Certificate of incorporation filed February 27, 1871.

The Peoples' Co-operative Trade Association of Van Wert, Ohio. Certificate of incorporation filed March 2, 1871.

MISCELLANEOUS.

The Franklin Society of Dennison University. Copy of Decree of Court changing from The Franklin Society of Granville College to the above, filed November 16, 1870.

The Toledo Law Association. Certificate of incorporation filed November 19, 1870.

The Lake Erie Ice Company. Certificate of incorporation filed November 22, 1870.

Northern Ohio Poultry Association. Certificate of incorporation filed December 3, 1870.

The Western Wrecking Company. Certificate of incorporation filed December 7, 1870.

Gibson House Company. Certificate of incorporation filed December 19, 1870.

Columbus Rink Association. Certificate of incorporation filed February 7, 1871.

The Masonic Temple Association of the city of Cleveland. Certificate of incorporation filed February 13, 1871.

The Alden Fruit Preserving Company of Ohio. Certificate of incorporation filed February 24, 1871.

The Darke County Joint Stock Agricultural, Mechanical and Horticultural Association. Certificate of incorporation filed March 7, 1871.

The Cuyahoga Falls Water Works. Certificate of incorporation filed March 23, 1871.

Cincinnati and Portsmouth Packet Company. Certificate of incorporation filed May 19, 1871.

Western Transportation and Wharf Boat Company. Certificate of incorporation filed May 18, 1871.

The United Railroads Stock Yard Company, of Cincinnati. Certificate of incorporation filed June 22, 1871.

The Bellevue Power Company. Certificate of incorporation filed June 22, 1871.

Napoleon Silver Band. Certificate of incorporation filed July 21, 1871.

Franklin Academy of Music. Certificate of incorporation filed July 29, 1871.

The Fifth Street Market Company. Certificate of incorporation filed August 12, 1871.

West End Company. Certificate of incorporation filed August 15, 1871.

Massillon Driving Park. Certificate of incorporation filed September 4, 1871.

The Riverside Land Association. Certificate of incorporation filed October 16, 1871.

The Yondota Bridge Company. Certificate of incorporation filed October 24, 1871.

The Cincinnati Hotel Company, of Cincinnati, Ohio. Certificate of incorporation filed November 1, 1871.

CITIES AND INCORPORATED VILLAGES.

VILLAGES.

A copy of the proceedings for the annexation of contiguous territory to the village of Niles, Trumbull county, together with plat of said annexed territory, were filed November 16, 1870.

A copy of the proceedings for the annexation of contiguous territory to the village of Bryan, Williams county, together with plat of annexed territory, were filed November 26, 1870.

A copy of the proceedings for the annexation of contiguous territory to the village of Forest, Hardin county, together with plat of said annexed territory, were filed December 10, 1870.

A copy of the proceedings for the annexation of contiguous territory to the village of Sidney, Shelby county, together with plat of said annexed territory, were filed January 5, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Groveport, Franklin county, together with plat of said annexed territory, were filed January 16, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of St. Marys, Anglaize county, together with plat of said annexed territory, were filed February 16, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Summersfield, Noble county, together with plat of said annexed territory, were filed February 23, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Morrow, Warren county, together with plat of said village, were filed March 14, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of St. Clairsville, Belmont county, together with plat of said village, were filed March 24, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Upper Sandusky, Wyandot county, together with plat of said village, were filed March 30, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Bridgeport, Belmont county, together with plat of said annexed territory, were filed April 5, 1871.

A copy of the proceedings for the incorporation of the village of Oak Harbor, Ottawa county, together with plat of said village, were filed April 7, 1871.

A copy of the proceedings for the annexation of contiguous territory to the incorporated village of Stryker, Williams county, together with plat of said annexed territory, were filed May 4, 1871.

A copy of the proceedings for the annexation of contiguous territory to the incorporated village of Carthage, Hamilton county, together with plat of said annexed territory, were filed May 9, 1871.

A copy of the proceedings for the annexation of contiguous territory to the incorporated village of Westwood, Hamilton county, together with plat of said annexed territory, were filed May 26, 1871.

A copy of the proceedings for the annexation of contiguous territory to the incorporated village of Oberlin, Lorain county, together with plat of said annexed territory, were filed May 31, 1871.

A copy of the proceedings for the annexation of contiguous territory to the incorporated village of Orrville, Wayne county, together with plat of said annexed territory, were filed June 6, 1871.

A copy of the proceedings for the annexation of contiguous territory to the incorporated village of St. Paris, Champaign county, together with plat of said annexed territory, were filed July 18, 1871.

A copy of the proceedings for the annexation of contiguous territory to the incorporated village of Lewisburg, Champaign county, together with plat of said annexed territory, were filed July 18, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Canal Dover, Tuscarawas county, together with plat of said annexed territory, were filed July 20, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Urichsville, Tuscarawas county, together with plat of said annexed territory, were filed July 21, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Cardington, Morrow county, together with plat of said annexed territory, were filed August 11, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Fredericktown, Knox county, together with plat of said annexed territory, were filed August 15, 1871.

A copy of the proceedings for the annexation of contiguous territory to the village of Nelsonville, Athens county, together with plat of said annexed territory, were filed August 13, 1871.

A copy of the proceedings for the annexation of contiguous territory to the incorporated village of Gettysburg, Darke county, together with plat of said annexed territory were filed November 4, 1871.

Villages Incorporated for Special Purposes.

A copy of the proceedings for the incorporation of the village of Wyoming, Hamilton county, for special purposes, together with plat of said village, was filed December 7, 1870.

A copy of the proceedings for the incorporation of the village of Buena Vista, Scioto county, for special purposes, together with a plat of said village, was filed December 7, 1870.

A copy of the proceedings for the incorporation of the village of Middletown, Marion county, for special purposes, together with plat of said village, were filed January 25, 1871.

A copy of the proceedings for the incorporation of the village of Martinsburg, Knox county, for special purposes, together with plat of said village, were filed February 1, 1871.

A copy of the proceedings for the incorporation of the village of New Alexandria, Jefferson county, for special purposes, together with plat of said village, were filed February 27, 1871.

A copy of the proceedings for the incorporation of the village of West Cleveland, Cuyahoga county, together with plat of said village, were filed August 24, 1871.

CITIES.

A copy of the proceedings for the annexation of contiguous territory to the city of Zanesville, Muskingum county, together with plat of said annexed territory, was filed November 16, 1870.

A copy of the proceedings for the annexation of contiguous territory to the city of Newark, Licking county, together with plat of said annexed territory, was filed December 9, 1870.

A copy of the proceedings for the annexation of contiguous territory to the city of Wooster, Wayne county, together with plat of said annexed territory, were filed March 23, 1871.

A copy of the proceedings for the annexation of contiguous territory to the city of Columbus, Franklin county, together with plat of said annexed territory, were filed June 8, 1871.

A copy of the proceedings for the annexation of contiguous territory to the city of Mt. Vernon, Knox county, together with plat of said annexed territory, were filed July 17, 1871.

A duplicate copy of the proceedings for the annexation of contiguous territory to the city of Columbus, Franklin county, together with plat of said annexed territory, were filed August 12, 1871.*

A copy of the proceedings for the annexation of contiguous territory to the city of Urbana, Champaign county, together with plat of said annexed territory, were filed August 28, 1871.

NOTE.—This is the same as that filed on June 8, 1871.

APPORTIONMENT—GENERAL ASSEMBLY OF OHIO, 1871-1881—HOUSE OF REPRESENTATIVES.

Population of State, 2,665,118; Ratio, 26,651; One-half Ratio, 13,326;
One and three-fourth Ratios, 46,639; Two full Ratios, 53,302.

COUNTIES.	Population.	Fraction over full ratio.	Fraction multiplied by five.	Number added on account of fraction.	Terms.					Total for the decade 1872-1882.
					1st.	2d.	3d.	4th.	5th.	
Adams	20,750	.....	.....	.....	1	1	1	1	1	5
Allen	23,623	.....	.....	.....	1	1	1	1	1	5
Ashland	21,933	.....	.....	.....	1	1	1	1	1	5
Ashtabula	32,518	5,867	29,335	1	1	1	1	1	2	6
Athens	21,872	.....	.....	.....	1	1	1	1	1	5
Auglaize	20,040	.....	.....	.....	1	1	1	1	1	5
Belmont	39,715	13,064	65,620	2	1	1	2	2	1	7
Brown	30,802	4,151	20,755	.....	1	1	1	1	1	5
Butler	39,912	13,261	66,305	2	1	1	2	2	1	7
Carroll	14,491	.....	.....	.....	1	1	1	1	1	5
Champaign	24,188	.....	.....	.....	1	1	1	1	1	5
Clarke	32,070	5,419	27,095	1	1	1	1	1	2	6
Clermont	34,269	7,618	38,090	1	1	1	1	1	2	6
Clinton	21,915	.....	.....	.....	1	1	1	1	1	5
Columbiana	38,299	11,648	58,240	2	1	1	2	2	1	7
Coshocton	23,600	.....	.....	.....	1	1	1	1	1	5
Crawford	25,556	.....	.....	.....	1	1	1	1	1	5
Cuyahoga *	132,012	25,408	127,040	4	5	5	5	5	4	24
Darke	32,131	5,480	27,400	1	1	1	1	1	2	6
Defiance, 15,719 }	24,263	.....	.....	.....	1	1	1	1	1	5
Paulding, 8,544 } .....		.....	.....	.....	1	1	1	1	1	5
Delaware	25,175	.....	.....	.....	1	1	1	1	1	5
Erie	28,188	1,537	7,685	.....	1	1	1	1	1	5
Fairfield	31,139	4,488	22,440	.....	1	1	1	1	1	5
Fayette	17,170	.....	.....	.....	1	1	1	1	1	5
Franklin †	63,019	9,717	48,585	1	2	2	2	2	3	11
Fulton	17,789	.....	.....	.....	1	1	1	1	1	5
Gallia	25,545	.....	.....	.....	1	1	1	1	1	5
Geauga	14,200	.....	.....	.....	1	1	1	1	1	5
Greene	28,052	1,401	7,005	.....	1	1	1	1	1	5
Guernsey	23,798	.....	.....	.....	1	1	1	1	1	5
Hamilton ‡	260,370	20,511	102,555	3	10	10	10	9	9	48
Hancock	23,847	.....	.....	.....	1	1	1	1	1	5
Hardin	18,714	.....	.....	.....	1	1	1	1	1	5
Harrison	18,682	.....	.....	.....	1	1	1	1	1	5
Henry	14,028	.....	.....	.....	1	1	1	1	1	5
Highland	29,103	2,452	12,260	.....	1	1	1	1	1	5
Hocking	17,925	.....	.....	.....	1	1	1	1	1	5
Holmes	18,178	.....	.....	.....	1	1	1	1	1	5
Huron	28,532	1,881	9,405	.....	1	1	1	1	1	5
Jackson	21,759	.....	.....	.....	1	1	1	1	1	5
Jefferson	29,188	2,537	12,685	.....	1	1	1	1	1	5
Knox	26,333	.....	.....	.....	1	1	1	1	1	5
Lake	15,935	.....	.....	.....	1	1	1	1	1	5
Lawrence	31,390	4,729	23,645	.....	1	1	1	1	1	5
Licking	36,122	9,471	47,355	1	1	1	1	1	2	6
Logan	23,028	.....	.....	.....	1	1	1	1	1	5
Lorain	30,308	3,657	18,285	.....	1	1	1	1	1	5
Lucas	46,783	.....	.....	.....	2	2	2	2	2	10

APPORTIONMENT—HOUSE OF REPRESENTATIVES—Continued.

COUNTIES.	Population.	Fraction over full ratio.	Fraction multiplied by five.	Number added on account of fraction.	Terms.					Total for the decade 1872-1882.
					1st.	2d.	3d.	4th.	5th.	
Madison.....	15,633				1	1	1	1	1	5
Mahoning.....	31,001	4,350	21,750		1	1	1	1	1	5
Marion.....	16,184				1	1	1	1	1	5
Medina.....	20,092				1	1	1	1	1	5
Meigs.....	31,465	4,814	24,070		1	1	1	1	1	5
Mercer.....	17,254				1	1	1	1	1	5
Miami.....	32,740	6,089	30,445	1	1	1	1	1	2	6
Monroe.....	25,780				1	1	1	1	1	5
Montgomery†.....	64,006	10,704	53,520	2	2	2	3	3	2	12
Morgan.....	20,363				1	1	1	1	1	5
Morrow.....	18,583				1	1	1	1	1	5
Muskingum.....	44,887	18,236	91,180	3	2	2	2	1	1	8
Noble.....	19,949				1	1	1	1	1	5
Ottawa.....	13,361				1	1	1	1	1	5
Perry.....	18,453				1	1	1	1	1	5
Pickaway.....	24,875				1	1	1	1	1	5
Pike.....	15,441				1	1	1	1	1	5
Portage.....	24,577				1	1	1	1	1	5
Preble.....	21,809				1	1	1	1	1	5
Putnam.....	17,083				1	1	1	1	1	5
Richland.....	32,516	5,865	29,325	1	1	1	1	1	2	6
Ross.....	37,097	10,446	52,230	1	1	1	1	1	2	6
Sandusky.....	25,504				1	1	1	1	1	5
Scioto.....	29,302	2,651	13,255		1	1	1	1	1	5
Seneca.....	30,828	4,177	20,885		1	1	1	1	1	5
Shelby.....	20,748				1	1	1	1	1	5
Stark.....	52,508				2	2	2	2	2	10
Summit.....	34,674	8,023	40,115	1	1	1	1	1	2	6
Trumbull.....	38,659	12,008	60,040	2	1	1	2	2	1	7
Tuscarawas.....	33,840	7,189	35,945	1	1	1	1	1	2	6
Union.....	18,730				1	1	1	1	1	5
Van Wert.....	15,824				1	1	1	1	1	5
Vinton.....	15,027				1	1	1	1	1	5
Warren.....	26,690	39	194		1	1	1	1	1	5
Washington.....	40,609	13,958	69,790	2	1	1	2	2	1	7
Wayne.....	35,082	8,431	42,155	1	1	1	1	1	2	6
Williams.....	20,991				1	1	1	1	1	5
Wood.....	24,596				1	1	1	1	1	5
Wyandot.....	18,554				1	1	1	1	1	5

* Fraction over four full ratios.

† Fraction over two full ratios.

‡ Fraction over nine full ratios.

APPORTIONMENT—1871-1881—Continued.

SENATE.

Population of State, 2,665,118; Full ratio, 76,146; Three-fourths ratio, 57,110.

District.	COUNTIES.	Population.	Population of District.	Fraction over full ratio.	Fraction multiplied by five.	Number added for fraction.	Terms.					Total.
							1.	2.			5.	
1	Hamilton	260,370	260,370	*31,932	159,650	2	3	3	4	4	3	17
2	Butler	39,912										
	Warren	26,690	66,602				1	1	1	1	1	5
3	Montgomery ...	64,006										
	Preble	21,809	85,815	9,669	48,345		1	1	1	1	1	5
4	Clermont	34,269										
	Brown	30,802	65,071				1	1	1	1	1	5
5	Greene	28,052										
	Clinton	21,915	67,137				1	1	1	1	1	5
	Fayette	17,170										
6	Highland	29,103	66,200				1	1	1	1	1	5
	Ross	37,097										
7	Adams	20,750	87,252	11,106	55,530		1	1	1	1	1	5
	Pike	15,441										
	Scioto	29,302	103,417	27,271	136,355	1	1	1	1	1	2	6
	Jackson	21,759										
8	Lawrence	31,380	70,936				1	1	1	1	1	5
	Gallia	25,545										
	Meigs	31,465	87,894	11,748	58,740		1	1	1	1	1	5
	Vinton	15,027										
9	Athens	31,872	71,891				1	1	1	1	1	5
	Hooking	17,925										
	Fairfield	31,139	86,619	9,473	47,365		1	1	1	1	1	5
10	Franklin	63,019										
	Pickaway	24,875	76,656	510	2,550		1	1	1	1	1	5
11	Clarke	32,070										
	Champaign	24,188	85,619				1	1	1	1	1	5
	Madison	15,633										
12	Miami	32,740	86,619	9,473	47,365		1	1	1	1	1	5
	Darke	32,131										
	Shelby	20,748	76,656	510	2,550		1	1	1	1	1	5
13	Logan	23,028										
	Union	18,730	76,656	510	2,550		1	1	1	1	1	5
	Marion	16,184										
	Hardin	18,714										

APPORTIONMENT—SENATE.—Continued.

District.	COUNTIES.	Population.	Population of District.	Fraction over full ratio.	Fraction multiplied by five.	Number added for fraction.	Terms.					Total.
							1.	2.	3.	4.	5.	
14	Washington ...	40,609	70,947	1	1	1	1	1	5
	Morgan	20,363										
	Noble (part) ...	9,975										
15	Muskingum ...	44,887	63,340	1	1	1	1	1	5
	Perry	14,453										
16	Delaware	25,175	61,297	1	1	1	1	1	5
	Licking	36,122										
17	Knox	26,333	98,176	22,030	110,150	1	1	1	1	1	2	6
	Morrow	18,583										
and	Total 17th Dis.	44,916										
28	Wayne	35,082	57,440	1	1	1	1	1	5
	Holmes	18,178										
	Total 28th Dis.	53,260										
18	Coshocton ...	23,600	59,552	1	1	1	1	1	5
	Tuscarawas ...	33,840										
19	Guernsey	23,798										
	Monroe	25,780	58,397	1	1	1	1	1	5
	Noble (part) ...	9,974										
20	Belmont	39,715										
	Harrison	18,682	66,999	1	1	1	1	1	5
21	Carroll	14,491										
	Stark	52,508										
22	Jefferson	29,188	69,660	1	1	1	1	1	5
	Columbiana ...	33,299										
23	Trumbull	38,659										
	Mahoning	31,001	62,653	1	1	1	1	1	5
24	Ashtabula ...	32,518										
	Lake	15,935										
	Geauga	14,200	132,012	55,866	279,330	3	2	2	2	1	1	8
25	Cuyahoga	132,012										
26	Portage	24,577										
	Summit	34,674	59,251	1	1	1	1	1	5
27	Medina	20,092										
	Lorain	30,308										
and	Total 27th Dis.	50,400	104,849	28,703	143,515	1	1	1	1	1	2	6
29	Ashland	21,933										
	Richland	32,516										
	Total 29th Dis.	54,449										

APPORTIONMENT—SENATE—Continued.

District.	COUNTIES.	Population.	Population of District.	Fraction over full ratio.	Fraction multiplied by five.	Number added for fraction.	Terms.					Total.
							1.	2.	3.	4.	5.	
30	Huron	23,532	95,585	19,439	97,195	1	1	1	1	1	2	6
	Erle	23,188										
	Sandusky	25,504										
	Ottawa	13,361										
31	Seneca	30,828	74,938	19,439	97,195	1	1	1	1	1	2	6
	Crawford	25,556										
	Wyandot	18,554										
32	Allen	23,623	121,995	45,849	229,245	3	2	2	2	1	1	8
	Anglaize	20,040										
	Defiance	15,719										
	Mercer	17,254										
	Paulding	8,544										
	Van Wert	15,824										
	Williams	20,991										
33	Fulton	17,789	144,126	67,980	339,900	4	2	2	2	2	1	9
	Hancock	23,847										
	Henry	14,028										
	Lucas	46,783										
	Putnam	17,083										
	Wood	24,596										

* Fraction over three full ratios.

Abstract of State Elections for 1869, 1870 and 1871, showing the vote by Counties and Townships.

ADAMS COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Franklin	170	267	155	235	187	251
Green	113	179	106	155	122	167
Jefferson	135	216	151	183	170	238
Liberty	150	119	163	104	174	123
Manchester	122	57	118	70	147	90
Meigs	91	210	110	173	124	194
Monroe	85	167	69	136	88	139
Oliver	70	121	69	126	75	138
Scott	158	97	156	102	139	94
Sprigg	151	295	146	257	196	238
Tiffin	117	278	114	244	154	276
Wayne	138	88	152	91	152	72
Winchester	162	129	161	131	167	132
Totals	1662	2223	1670	2007	1895	2202

ALLEN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Amanda	83	140	39	107	94	121
Anglaize	166	109	160	85	163	104
Bath	119	105	102	92	101	97
German	68	175	48	116	80	130
Jackson	122	222	97	170	104	198
Marion	174	307	141	296	167	340
Monroe	140	137	109	121	119	123
Ottawa	384	430	367	403	454	440
Perry	117	142	95	119	112	133
Richland	97	246	49	142	88	194
Shawnee	87	103	82	90	87	96
Spencer	47	149	30	112	63	127
Sugar Creek	83	94	59	81	76	77
Totals	1687	2359	1378	1934	1708	2180

ASHLAND COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Clear Creek.....	174	59	165	53	165	55
Green	159	217	131	197	144	188
Hanover	127	231	122	208	127	224
Jackson	88	194	78	187	81	184
Lake.....	27	131	25	109	28	124
Miffin'.....	41	102	38	108	50	96
Milton.....	62	145	61	130	46	110
Montgomery.....	414	409	429	365	413	386
Mohican.....	113	231	108	206	104	205
Orange	121	189	109	183	103	152
Perry.....	129	161	130	139	115	132
Ruggles	134	37	124	40	128	46
Sullivan.....	124	44	129	33	130	38
Troy	103	52	94	58	103	51
Vermillion	190	193	154	169	146	186
Totals	2006	2395	1897	2185	1883	2177

ASHTABULA COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Andover	204	29	132	14	176	15
Ashtabula	349	156	225	146	314	192
Austinburgh	228	32	119	14	179	24
Cherry Valley.....	133	28	94	21	114	35
Colebrook	113	44	82	31	101	41
Conneant	417	108	243	86	346	97
Denmark	42	26	21	11	51	17
Dorset	46	24	36	11	38	19
Geneva	422	68	310	51	369	63
Harpersfield	183	41	113	37	172	33
Hartsgrrove	98	35	76	28	89	32
Jefferson	285	50	217	56	267	52
Kingsville	278	69	184	54	226	62
Lenox	140	25	82	13	112	26
Monroe	232	26	123	11	189	27
Morgan	212	22	147	29	141	33
New Lyme.....	109	40	45	27	81	34
Orwell	96	36	81	46	81	40
Pierpont	171	14	87	13	136	21
Plymouth.....	96	47	78	38	95	45
Richmond	123	46	50	31	68	25
Rome	95	26	55	13	70	13
Saybrook	170	117	129	90	143	92
Sheffield	102	30	72	19	94	22
Trumbull	185	25	127	20	163	30
Wayne	147	14	113	8	155	15
Williamsfield	142	49	96	33	130	38
Windsor	127	16	79	11	121	20
Totals	4945	1243	3216	962	4221	1164

ATHENS COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Alexander	186	93	185	83	127	73
Ames	175	51	176	43	184	46
Athens	466	154	507	149	524	164
Bern	147	21	119	17	130	21
Canaan	93	128	81	107	93	148
Carthage	119	95	103	70	109	91
Dover	188	126	157	112	177	130
Lee	156	46	145	45	183	38
Lodi	149	144	132	127	145	140
Rome	219	78	179	61	185	70
Trimble	130	87	119	73	132	88
Troy	199	143	169	109	144	111
Waterloo	160	156	145	138	140	126
York	191	324	157	283	202	294
Totals	2578	1644	2374	1417	2505	1540

AUGLAIZE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Clay	56	113	46	77	50	84
Duchonquet	245	445	267	425	216	371
German	69	254	50	166	54	215
Goshen	46	47	44	52	49	57
Jackson	4	345	3	191	2	275
Logan	23	87	26	63	27	73
Moulton	49	104	59	85	34	79
Noble	24	127	25	88	22	95
Pucheta	30	182	45	163	31	169
Salem	33	100	37	118	31	112
St. Marys	104	313	77	271	75	284
Union	64	164	46	141	49	124
Washington	82	76	75	58	76	57
Wayne	88	73	66	73	88	75
Totals	914	2430	866	1971	804	2070

Secretary of State.

BELMONT COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Colerain	139	120	159	104	164	124
Flushing	170	106	213	116	203	110
Goshen	202	182	211	178	193	175
Kirkwood.....	209	153	218	145	228	142
Mead	103	170	88	191	110	174
Pease	435	396	467	343	578	394
Pultney	371	543	427	548	573	538
Richland	321	508	306	503	344	487
Smith	102	243	88	234	108	234
Somerset	131	215	191	192	205	195
Union	184	201	171	203	195	187
Warren	394	338	437	299	455	313
Washington	145	99	126	100	162	103
Wayne	134	171	113	172	147	190
Wheeling	111	149	104	146	122	147
York	97	170	77	145	112	169
Totals	3248	3764	3397	3621	3899	3681

BROWN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Byrd	134	95	153	96	145	96
Clark	52	206	41	183	56	173
Eagle	67	121	89	124	93	117
Franklin	34	204	30	178	29	166
Green	95	155	83	131	91	121
Huntington	162	289	163	264	161	265
Jackson	52	128	53	102	51	127
Jefferson	144	117	133	117	131	103
Lewis	182	284	228	289	224	255
Perry	52	416	35	418	51	357
Pike	98	133	80	115	71	120
Pleasant	198	301	205	280	204	250
Scott	39	139	42	113	40	114
Sterling	100	132	106	118	101	102
Union	537	357	566	342	335	302
Washington	69	120	70	102	70	103
Totals	2015	3197	2077	2972	2053	2771

BUTLER COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Fairfield—East'n Prec't.	45	171	48	161	52	131
“ West'n “	69	232	91	245	73	166
Hanover	66	179	92	162	62	157
Lemon	472	524	490	554	404	525
Liberty	160	153	145	172	168	171
Madison	156	371	158	369	128	318
Milford	118	269	116	286	111	227
Morgan	126	259	122	250	105	211
Oxford	350	263	446	270	372	226
Reiley	79	231	87	238	66	212
Ross	114	227	110	214	112	199
St. Clair	58	180	65	166	52	147
Union	140	271	124	257	115	258
Wayne	123	189	119	187	98	153
Hamilton—1st Ward...	175	321	182	326	157	279
“ 2d “	232	727	156	409	161	302
“ 3d “	286	312	181	323	270	298
“ 4th “	.....	.....	124	292	112	252
Totals.....	2769	4879	2956	4877	2618	4232

CARROLL COUNTY,

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Angusta	121	56	119	55	116	56
Brown	240	136	226	112	246	142
Centre	170	94	162	98	166	104
East	55	90	49	78	51	75
Fox	134	47	120	51	137	66
Harrison	127	76	128	64	122	73
Lee	90	109	86	103	96	104
London	96	83	87	76	97	91
Monroe	76	98	72	96	78	103
Orange	192	60	152	54	165	61
Perry	79	123	72	108	71	114
Rose	76	132	72	97	81	118
Union	65	76	63	75	62	78
Washington	101	30	101	21	100	33
Totals.....	1622	1210	1509	1088	1588	1218

Secretary of State.

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CHAMPAIGN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Adams	88	143	82	121	80	114
Concord	73	109	81	118	86	107
Goshen	295	67	303	81	340	91
Harrison	114	84	97	88	103	82
Jackson	175	203	154	194	152	172
Johnson	141	267	130	299	102	252
Mad River	73	284	68	278	72	253
Rush—						
Lewisburg Precinct ..	148	36	154	38	169	31
Woodstock “ ..	134	25	122	27	139	22
Salem	216	80	190	108	233	119
Union	191	117	172	113	192	105
Urbana	190	104	217	79	242	70
Wayne	223	89	192	105	200	96
Urbana—1st Ward	168	131	219	98	223	92
“ 2d “	199	108	208	86	218	84
“ 3d “	96	135	83	171	95	139
Totals	2524	2001	2468	2004	2646	1859

CLARKE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	WillMam Heisley.	E. F. Noyes.	G. W. McCook.
Bethel—						
Donnelsville Precinct.	80	75	89	86	96	69
Medway “ ..	90	80	90	80	62	69
New Carlisle “ ..	174	43	174	52	156	40
German	105	267	90	287	97	259
Greene	212	36	255	41	206	27
Harmony	233	84	225	94	202	80
Madison	248	107	260	111	240	102
Mad River	148	171	176	175	129	159
Moorefield	146	84	162	80	146	65
Pike	116	162	112	149	106	144
Pleasant	214	45	234	52	206	43
Springfield	320	166	348	171	294	158
Springfield—1st Ward..	164	190	192	208	145	186
“ 2d “ ..	260	187	264	202	226	181
“ 3d “ ..	451	116	515	123	404	129
“ 4th “ ..	294	233	303	248	256	213
“ 5th “ ..	204	113	209	123	202	96
Totals	3459	2159	3698	2282	3173	2020

Executive Documents.

CLERMONT COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Batavia	356	352	325	332	344	327
Franklin	206	428	238	375	287	372
Goshen	189	196	172	181	164	183
Jackson	157	175	147	166	147	160
Miami	323	333	347	243	352	320
Monroe	171	226	158	185	187	199
Ohio	253	296	376	239	402	265
Pierce	103	244	93	192	110	222
Stone Lick	163	221	152	209	180	218
Tate	258	308	294	270	298	277
Union	113	292	111	252	116	254
Washington—						
North Precinct	59	133	57	115	70	118
South "	155	178	147	170	176	177
Wayne	121	243	119	222	129	226
Williamsburg	323	159	330	152	362	150
Totals	2950	3784	3066	3303	3324	3468

CLINTON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Adams	137	16	156	19	133	22
Chester	204	33	205	39	204	34
Clarke	258	57	268	62	255	60
Green—						
New Antioch Precinct.	101	67	98	65	109	70
New Vienna "	188	128	191	130	185	106
Jefferson	150	70	156	67	113	56
Liberty	140	58	154	56	129	47
Marion	168	160	160	146	140	149
Richland	155	161	148	161	145	186
Union	610	211	696	248	706	211
Vernon	173	108	188	114	170	96
Washington	103	125	103	132	85	116
Wayne	86	144	103	139	106	125
Wilson	73	136	70	126	66	109
Totals	2556	1474	2695	1504	2546	1387

COLUMBIANA COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Butler	220	84	154	56	166	75
Center	336	204	323	168	394	201
Elk Run	152	146	144	143	152	143
Fairfield	298	143	203	99	233	105
Franklin	36	151	36	145	43	143
Hanover	266	178	247	163	269	151
Knox	191	221	152	220	148	198
Liverpool	262	158	208	104	297	150
Madison	113	107	100	89	107	96
Middleton	197	72	152	71	179	68
Perry	617	176	598	155	537	141
Salem	256	192	199	139	277	165
St. Clair	97	112	85	96	103	100
Unity	178	260	166	232	179	230
Washington	208	82	181	64	206	96
Wayne	54	99	31	83	50	85
West	195	128	135	90	150	130
Yellow Creek	309	187	249	144	310	189
Totals	3985	2700	3363	2261	3800	2466

COSHOCTON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Adams	96	90	94	95	89	88
Bedford	110	79	103	65	108	78
Bethlehem	76	87	71	81	66	84
Crawford	44	179	38	196	37	203
Clarke	65	104	72	101	72	93
Franklin	68	111	63	118	67	109
Jackson	161	191	154	185	160	177
Jefferson	72	127	77	136	78	130
Keene	108	56	106	61	104	55
Lafayette	52	102	58	108	61	95
Linton	108	157	106	164	118	163
Millcreek	60	66	49	71	45	77
Monroe	92	87	86	87	94	88
New Castle	85	122	79	113	76	118
Oxford	97	85	87	106	87	97
Perry	49	131	52	142	51	134
Pike	82	74	81	80	82	77
Tiverton	28	95	29	114	44	106
Tuscarawas	250	289	224	303	260	317
Washington	90	53	93	54	89	57
White Eyes	95	80	84	77	80	86
Virginia	101	72	93	71	94	73
Totals	1982	2437	1899	2528	1962	2505

CRAWFORD COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Auburn.....	97	78	82	78	87	92
Bucyrus.....	310	496	329	399	361	489
Chatfield.....	15	224	17	135	18	143
Cranberry.....	29	214	30	182	25	200
Dallas.....	39	24	38	23	31	20
Holmes.....	99	169	84	143	106	180
Jackson—East'n Prec't.	178	350	199	275	189	311
" West'n "	45	176	46	110	40	140
Liberty.....	162	162	153	153	168	174
Lykins.....	72	118	64	86	59	117
Polk.....	257	568	270	370	307	501
Sandusky.....	57	69	52	53	47	65
Texas.....	50	61	51	56	51	67
Tod.....	80	146	71	111	68	125
Vernon.....	46	147	35	119	44	142
Whetstone.....	99	181	82	166	89	182
Totals.....	1633	3183	1603	2459	1690	2948

CUYAHOGA COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bedford.....	192	104	152	82	189	88
Brecksville.....	128	52	91	36	98	46
Brooklyn.....	242	133	190	67	297	92
Chagrin Falls.....	204	54	150	31	220	32
Dover.....	137	115	113	68	126	86
East Cleveland.....	484	187	275	84	578	173
Euclid.....	211	101	114	49	196	101
Independence.....	116	134	85	56	126	94
Mayfield.....	112	54	89	52	101	60
Middleburg.....	310	138	254	72	349	115
Newburgh.....	462	275	266	135	493	237
Olmstead.....	159	89	103	52	134	76
Orange.....	93	50	51	28	76	37
Parma.....	95	105	62	46	84	75
Rockport.....	153	132	102	64	174	125
Royalton.....	178	41	147	29	164	36
Solon.....	123	71	99	52	109	73
Strongsville.....	126	35	114	29	130	28
Warrensville.....	117	86	87	57	96	71

CUYAHOGA COUNTY—Continued.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Cleveland—1st Ward...	594	476	458	276	798	233
" 2d "	634	275	410	186	713	226
" 3d "	271	270	257	144	358	232
" 4th "	808	390	551	202	984	263
" 5th "	402	702	261	486	536	606
" 6th "	878	382	645	204	1226	309
" 7th "	288	250	191	188	384	214
" 8th "	120	454	93	324	179	399
" 9th "	450	319	287	200	494	230
" 10th "	399	299	328	200	489	226
" 11th "	380	530	271	345	579	372
" 12th "	163	129	119	70	260	74
" 13th "	233	167	137	54	301	100
" 14th "	59	25	48	1	85	30
" 15th "	83	103	100	107	161	111
Totals	9402	6727	6700	4076	11,287	5320

DARKE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Adams	199	203	218	197	233	196
Allen	43	78	57	70	48	85
Brown	72	153	67	158	68	156
Butler	90	231	97	201	98	211
Franklin	131	81	114	64	126	87
German	107	148	194	132	183	126
Greenville	455	618	509	643	481	608
Harrison	177	246	162	244	129	237
Jackson—						
Eastern Precinct.....	58	68			56	63
Western "	107	130	97	131	76	124
Mississinawa	43	87	50	97	46	110
Monroe	86	89	70	82	76	93
Neave	76	149	70	134	65	123
Patterson	93	57	74	61	83	55
Richland	62	176	50	162	56	142
Twin	160	223	150	212	145	196
Van Buren	97	123	80	119	69	95
Wabash	84	47	82	47	99	61
Washington	158	118	161	109	144	86
Wayne	160	230	153	254	148	240
York	70	72	57	78	71	75
Totals	2528	3327	2512	3195	2500	3169

DEFIANCE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Adams.....	39	155	24	143	42	145
Defiance.....	211	369	188	324	229	402
Delaware.....	32	128	25	100	37	115
Farmer.....	136	110	108	77	93	90
Hicksville.....	93	157	94	138	85	149
Highland.....	57	83	60	61	65	84
Mark.....	38	49	16	40	25	40
Milford.....	120	146	107	129	68	113
Noble.....	42	101	36	63	31	90
Richland.....	64	122	55	81	58	93
Tiffin.....	81	131	36	86	55	110
Washington.....	49	114	44	76	47	116
Totals.....	962	1665	793	1318	835	1547

DELAWARE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1871.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Berkshire.....	190	80	194	76	174	72
Berlin.....	150	103	138	99	147	103
Brown.....	157	73	121	88	134	81
Concord.....	72	127	73	87	78	111
Delaware.....	751	439	698	473	727	524
Genoa.....	86	130	85	95	81	111
Harlem.....	80	135	58	103	74	100
Kingston.....	100	23	96	28	101	24
Liberty.....	117	135	110	108	113	133
Marlboro.....	61	47	62	45	54	47
Orange.....	136	73	118	80	148	65
Oxford.....	158	74	164	79	154	93
Porter.....	120	37	103	26	104	34
Radnor.....	187	51	189	53	190	48
Scioto.....	114	185	120	152	124	194
Thompson.....	50	118	49	125	52	129
Trenton.....	72	129	75	116	71	120
Troy.....	84	84	88	74	84	83
Totals.....	2685	2043	2541	1907	2610	2072

ERIE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Berlin	259	78	226	75	243	63
Florence	147	96	114	74	123	72
Groton	93	94	96	93	77	87
Huron	186	70	143	46	120	47
Kelley's Island	67	55	66	29	52	35
Margaretta	187	77	202	54	160	54
Milan	309	103	266	99	254	104
Oxford	118	76	118	45	76	45
Perkins	122	131	124	93	118	91
Portland	26	46	50	31	36	32
Vermillion	144	146	150	133	144	156
Sandusky—1st Ward...	194	105	228	82	203	100
“ 2d “	228	165	358	113	300	131
“ 3d “	139	192	205	140	170	159
“ 4th “	92	204	127	192	126	172
“ 5th “	30	210	75	148	29	207
Totals	2341	1848	2548	1447	2231	1558

FAIRFIELD COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Amanda	137	201	119	192	144	189
Berne	129	404	93	345	136	393
Bloom	92	324	88	269	90	276
Clear Creek	108	222	71	196	90	226
Greenfield	206	180	176	158	206	151
Hocking	139	281	128	182	151	185
Liberty	174	420	151	370	170	287
Madison	88	170	54	147	84	166
Pleasant	145	272	110	261	141	265
Richland	122	203	90	193	114	174
Rush Creek	176	122	140	119	153	144
Violet	90	301	73	283	78	308
Walnut	181	249	142	217	184	234
Lancaster—1st Ward...	128	198	113	143	160	178
“ 2d “	88	95	107	77	118	86
“ 3d “	83	161	61	152	92	161
“ 4th “	58	108	67	107	77	99
Totals	2144	3831	1782	3291	2185	3622

FAYETTE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Concord	87	89	88	74	82	73
Greene	80	79	70	87	78	78
Jasper	154	127	160	144	159	152
Jefferson	294	178	281	160	267	169
Madison	157	98	115	122	129	122
Marion	74	89	71	78	68	93
Paint	217	90	224	88	225	99
Perry	155	59	152	56	178	75
Union	443	333	477	347	532	388
Wayne	129	146	133	112	142	129
Totals	1770	1288	1771	1268	1860	1378

FRANKLIN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Blendon	230	107	229	125	211	112
Brown	90	59	80	62	74	53
Clinton	82	194	89	204	79	210
Franklin	143	264	120	228	142	295
Hamilton	136	159	127	148	110	180
Jackson	86	283	68	221	65	238
Jefferson	40	232	37	223	40	190
Madison	237	413	208	380	211	401
Mifflin	104	169	106	177	111	161
Montgomery	120	269	162	254	130	274
Norwich	132	169	124	169	131	153
Perry	133	111	133	95	138	105
Plain	111	171	105	165	107	160
Pleasant	141	150	144	149	118	190
Prairie	86	145	102	137	123	133
Sharon	140	102	161	91	146	98
Truro	151	150	174	146	145	166
Washington	97	137	70	134	69	128
Columbus—1st Ward	234	178	241	169	258	154
“ 2d “	336	109	360	76	368	77
“ 3d “	299	138	321	147	308	151
“ 4th “	233	390	281	338	312	353
“ 5th “	112	476	181	472	187	459
“ 6th “	58	690	64	751	63	688
“ 7th “	255	375	305	279	283	301
“ 8th “	324	388	510	343	510	342
“ 9th “	179	524	191	440	210	391
Totals	4289	6552	4693	6116	4649	6163

FULTON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Amboy	141	54	123	43	124	40
Chesterfield	111	30	78	22	123	41
Clinton	490	208	333	141	410	159
Dover	137	40	105	37	113	43
Franklin	106	64	80	47	88	64
Fulton	159	86	129	78	133	89
German	102	145	86	116	69	107
Gorham	123	195	108	139	101	173
Pike	118	47	78	26	106	36
Royalton	122	51	115	49	129	60
Swan Creek	113	73	90	62	89	63
York	244	153	149	97	160	116
Totals	1966	1146	1474	857	1645	991

GALLIA COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Addison	86	114	129	129	119	123
Cheshire	228	63	221	100	246	102
Clay	115	100	84	76	114	76
Gallipolis	60	50	66	39	83	42
Greene	132	80	140	67	168	82
Greenfield	90	122	73	100	98	101
Guyan	114	78	85	68	86	85
Harrison	115	81	97	65	111	93
Huntington	191	88	143	51	157	79
Morgan	100	128	113	124	119	131
Ohio	68	108	71	61	62	85
Perry	124	53	116	39	219	53
Raccoon	196	55	192	37	219	52
Springfield	119	123	145	84	155	101
Walnut	134	116	142	88	131	94
Gallipolis—1st Ward	70	90	67	82	76	103
" 2d " 	123	64	149	49	164	55
" 3d " 	111	49	194	32	245	41
Totals	2172	1560	2227	1291	2472	1498

GEAUGA COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Auburn.....	153	46	104	26	122	32
Bainbridge	114	30	96	29	120	35
Burton	211	31	138	24	185	33
Chardon	276	79	203	41	240	45
Chester	151	9	95	...	135	1
Claridon	166	25	105	5	151	22
Hampden	136	10	85	9	136	11
Huntsburgh	138	20	110	13	125	29
Middlefield	133	31	93	33	99	36
Montville.....	121	30	102	18	110	24
Munson	116	42	79	19	107	28
Newberry.....	147	35	79	22	137	30
Parkman	153	65	101	53	137	60
Russell	141	30	87	17	116	21
Thompson	156	54	112	50	146	57
Troy	177	34	117	16	147	28
Totals	2489	573	1706	375	2213	492

GREENE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bath	252	261	232	268	205	232
Beaver Creek	235	131	222	141	181	128
Cesar's Creek.....	100	110	103	114	76	91
Cedarville	272	72	373	68	310	71
New Jasper	109	45	152	43	114	31
Jefferson	123	135	125	121	101	110
Miami—						
Eastern Precinct.....	71	44	62	48	49	48
Western "	201	136	254	118	224	93
Ross	108	97	137	103	112	89
Silver Creek	222	70	254	84	223	73
Spring Valley.....	157	158	183	164	149	118
Sugar Creek	187	144	198	138	172	115
Xenia	1154	314	480	98	144	38
1st Ward .....	....	....	173	39	363	65
2d " .....	....	....	224	143	119	34
3d " .....	....	....	223	69	151	47
4th " .....	....	....	349	14	261	14
5th " .....	....	....	....	....	46	83
Totals	3191	1717	3744	1771	3000	1488

Secretary of State.

69

GUERNSEY COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Adams	86	55	86	46	90	44
Cambridge.....	371	256	413	283	415	274
Center	61	107	65	97	77	99
Jackson	79	59	90	65	79	54
Jefferson.....	97	57	100	61	106	72
Knox	55	72	61	78	56	65
Liberty	111	73	121	77	108	77
Londonderry	140	63	147	74	154	76
Madison	139	75	150	81	132	84
Millwood	152	137	141	145	153	137
Monroe	97	94	104	98	98	86
Oxford	171	141	173	110	191	133
Richland	172	95	179	104	144	84
Spencer	177	79	193	79	197	85
Valley	58	79	76	97	57	86
Washington	83	52	77	56	78	61
Westland	133	42	129	52	101	56
Wheeling	83	84	81	98	68	72
Wills	115	206	120	200	113	186
Totals.....	2380	1836	2506	1901	2417	1831

• HAMILTON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Anderson—						
Centre Precinct .....	....	....	82	114	66	81
Northern "	53	227	44	171	42	186
Southern "	108	240	44	93	43	106
Colerain—						
North-east Precinct }	219	361	{ 118	246	110	217
South-west " }			{ 111	128	92	87
Columbia—						
Center Precinct.....	154	211	138	152	137	161
East "	76	44	64	31	66	31
West "	94	92	71	55	91	77
Crosby	71	94	67	79	57	101
Delhi—						
East Precinct	82	77	79	46	69	51
West "	70	48	54	31	65	56
Green	343	357	326	308	294	248
Harrison	153	209	164	155	156	195
Miami	145	178	167	168	159	162

HAMILTON COUNTY—Continued.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Mill Creek—						
Avondale Precinct ...	129	53	159	49	154	41
*Camp Wash'n Precinct	166	101	190	81	...	...
Clifton Precinct.....	46	74	52	28	58	34
*Corryville "	209	117	...	...	...	...
*Lick Run "	210	164	200	109	...	...
Northeast "	151	170	117	134	115	138
Southeast "	289	185	48	59	68	68
Western "	414	367	441	322	415	269
Spencer	258	350	123	127	124	166
Springfield—						
Eastern Precinct.....	254	255	322	215	...	...
Western "	113	256	141	239	135	220
Southeast " .....	...	...	...	...	189	65
Northeast " .....	...	...	...	...	180	167
Storrs	180	402	...	...	...	...
Symmes—						
Camp Dennison Prec.	49	47	61	38	55	44
Northern Precinct.....	83	82	69	58	75	56
Sycamore—						
East Precinct.....	119	189	108	136	94	134
Reading Precinct.....	147	284	100	222	115	275
Sharonville "	90	99	87	92	101	103
Whitewater	83	144	88	142	80	87
Riverside	53	61	34	33	53	56
Cincinnati—						
1st Ward	427	1002	584	712	573	824
2d "	437	398	402	221	418	256
3d "	416	781	418	547	432	615
4th "	167	690	253	532	238	552
5th "	603	404	596	302	580	305
6th "	397	759	341	590	323	604
7th "	717	355	641	257	648	324
8th "	1388	1106	1273	913	1242	1018
9th "	458	1020	421	796	466	910
10th "	1055	545	913	397	868	545
11th "	619	226	547	165	611	202
12th "	874	915	803	658	885	815
13th "	173	845	394	650	393	640
14th "	729	648	745	505	704	478
15th "	1146	885	1146	667	1117	693
16th "	1132	1230	1150	984	1203	1121
17th "	420	376	361	350	343	349
18th "	1155	854	1086	643	1140	760
" " Camp Wash. } Precinct... }	...	...	...	...	166	124
19th "	785	421	641	285	727	368
20th "	170	245	163	194	166	173
21st " .....	...	...	241	313	267	427
" " Lick Run } Precinct... }	...	...	...	...	216	132
22d " .....	...	...	296	78	317	74
23d " .....	...	...	190	86	188	128
24th " .....	...	...	189	198	154	176
Totals	17,939	19,243	17,661	14,864	17,843	16,297

* Annexed to city of Cincinnati, 1870.

HANCOCK COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Allen	78	131	68	116	72	128
Amanda	65	172	66	154	78	166
Big Lick	103	111	93	94	101	106
Blanchard	126	84	124	78	162	90
Cass	85	84	76	49	99	62
Delaware	137	110	138	96	164	103
Eagle	87	163	85	147	85	155
Findlay	407	374	453	332	506	376
Jackson	67	149	82	138	90	149
Liberty	105	92	108	74	113	84
Madison	66	107	67	84	74	102
Marion	92	116	92	87	98	91
Orange	65	123	68	95	90	124
Pleasant	119	136	111	97	135	149
Portage	81	99	82	78	84	94
Union	103	178	88	159	106	172
Van Buren	36	105	35	73	36	93
Washington	124	169	124	144	125	156
Totals	1946	2483	1960	2095	2218	2401

HARDIN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Blanchard	135	93	148	67	176	104
Buck	104	131	92	84	124	118
Cass	62	95	45	72	70	98
Dudley	121	63	91	40	128	68
Goshen	67	96	54	75	76	100
Hale	189	61	149	44	197	77
Jackson	136	148	116	140	150	184
Marion	90	41	65	24	99	48
McDonald	78	77	85	71	110	90
Liberty	194	305	141	243	211	319
Pleasant	336	476	315	400	391	513
Lynn	51	42	44	35	56	53
Round Head	84	52	85	50	113	50
Taylor Creek	81	84	55	53	97	75
Washington	45	118	40	78	59	121
Totals	1773	1882	1525	1476	2057	2026

HARRISON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Archer.....	52	109	47	99	49	106
Athens.....	88	139	104	141	93	146
Cadiz.....	366	184	396	186	444	186
Franklin.....	140	83	147	82	144	81
Freeport.....	110	89	116	77	114	77
German.....	100	162	79	150	90	153
Greene.....	158	158	152	148	158	151
Monroe.....	102	85	97	84	109	98
Moorefield.....	94	132	99	131	103	127
North.....	143	66	170	72	166	79
Nottingham.....	123	62	116	55	109	63
Rumley.....	102	132	95	143	95	137
Short Creek.....	271	72	273	76	313	71
Stock.....	68	81	78	86	87	85
Washington.....	126	81	132	84	138	77
Totals.....	2043	1635	2101	1614	2212	1637

HENRY COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bartlow.....	10	13	11	5	9	14
Damascus.....	115	90	79	76	102	81
Flat Rock.....	91	121	71	106	72	110
Freedom.....	19	88	19	73	11	75
Harrison.....	124	94	104	94	108	88
Liberty.....	105	193	83	186	76	178
Marion.....	23	65	15	49	11	46
Monroe.....	15	81	10	69	12	72
Napoleon.....	222	343	223	363	223	353
Pleasant.....	23	96	16	121	14	91
Richfield.....	40	31	31	24	40	24
Ridgeville.....	45	51	27	33	38	33
Washington.....	81	128	59	91	63	78
Totals.....	913	1394	758	1290	779	1243

HIGHLAND COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Brush Creek—						
North Precinct }	190	132	{ 69	51	77	60
South " }			{ 107	50	115	73
Clay	133	116	132	88	134	83
Concord	121	142	129	158	117	151
Dodson	127	197	121	205	126	214
Hamar	43	162	36	166	44	164
Fairfield	334	146	371	146	363	141
Jackson	79	145	66	122	61	125
Liberty	479	462	593	433	593	414
Madison	390	228	447	220	443	257
Marshall	74	93	67	86	74	98
New Market	76	174	74	151	84	159
Paint—						
Northern Precinct...	129	102	134	92	134	114
Southern "	165	128	159	97	159	129
Penn	122	129	160	127	165	131
Salem	60	141	50	123	52	140
Union	105	166	83	147	96	174
Washington	70	144	59	123	60	127
White Oak	108	96	100	95	95	114
Totals	2805	2903	2957	2680	2992	2868

HOCKING COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Benton	80	159	62	162	78	154
Falls	304	398	274	336	310	396
Goodhope	26	99	21	80	23	96
Green	134	149	100	110	109	126
Laurel	58	148	64	125	62	134
Marion	69	209	38	165	53	179
Perry	88	203	64	181	71	205
Salt Creek	43	151	23	123	44	123
Starr	183	102	111	74	113	68
Ward	84	111	43	63	81	95
Washington	111	144	95	105	102	129
Totals	1180	1873	895	1524	1046	1715

HOLMES COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Berlin	58	104	52	103	57	108
German	27	185	20	145	30	149
Hardy	123	421	155	399	185	399
Kilbuck	45	185	48	201	51	177
Knox	41	130	51	150	31	126
Mechanic	50	132	53	135	59	145
Monroe	63	108	69	110	72	111
Paint	48	186	43	156	43	195
Prairie	86	189	85	187	101	188
Richland	23	179	48	185	47	231
Ripley	116	105	118	117	107	120
Salt Creek	77	168	82	173	89	166
Walnut Creek	11	135	4	107	13	132
Washington	93	129	93	143	92	148
Totals	861	2356	921	2311	977	2395

HURON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Bronson	135	87	124	69	121	73
Clarksfield	180	51	177	34	175	33
Fairfield	235	71	240	63	226	70
Fitchville	141	33	135	33	138	28
Greenfield	117	74	83	82	122	74
Greenwich	144	34	152	26	132	33
Hartland	146	37	140	30	148	42
Lyme	226	161	244	170	239	188
New London	267	82	276	65	250	76
New Haven	115	158	140	131	81	109
Norwalk	653	418	660	383	626	428
Norwich	115	89	109	91	97	95
Peru	87	153	80	114	77	131
Richmond	82	68	73	73	70	60
Ridgefield	237	227	224	232	210	238
Ripley	182	50	154	51	156	36
Sherman	36	168	36	150	40	177
Townsend	154	73	132	71	168	66
Wakeman	141	78	113	82	144	84
Plymouth Precinct					69	29
Totals	3393	2112	3292	1955	3289	2070

JACKSON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bloomfield	215	120	169	95	182	104
Franklin	177	122	149	106	165	110
Hamilton	131	30	96	30	108	39
Jackson	76	145	86	138	111	175
Jefferson	352	187	288	121	269	139
Liberty	103	157	115	159	127	177
Lick	336	368	344	357	365	387
Madison	261	131	215	111	249	119
Milton	197	206	180	210	189	242
Scioto	84	185	82	167	83	174
Washington	90	117	75	92	80	102
Totals	2022	1768	1799	1586	1928	1768

JEFFERSON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Brush Creek	93	53	71	50	65	58
Cross Creek	195	117	168	106	189	119
Island Creek	170	134	141	100	151	102
Knox	123	104	118	101	127	116
Mount Pleasant	182	36	226	36	234	45
Ross	94	53	74	49	90	55
Salem	170	177	150	158	163	162
Saline	161	77	153	87	199	84
Sloans Station: Com- posed of parts of Island Creek and Knox tps..	53	35	49	40	54	49
Smithfield	240	110	219	86	236	102
Springfield	90	78	77	78	88	86
Warren	139	159	97	154	129	163
Wayne	196	117	191	113	215	127
Wells—						
1st Precinct }	92	162	{ 44	84	39	79
2d " " }			{ 50	54	47	50
Staubenville township—						
1st Dist.	16	37	10	22	15	38
2d " "	134	123	105	125	144	125
Staubenville—1st Ward.	138	83	135	66	143	91
" 2d "	261	136	280	111	315	118
" 3d "	249	139	263	94	304	163
" 4th "	125	185	143	136	128	179
Totals	2921	2115	2764	1850	3075	2111

KNOX COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Berlin	104	84	103	96	97	95
Brown	83	136	85	148	90	139
Butler	10	82	53	87	51	85
Clay	121	103	116	109	120	100
Clinton	135	145	122	153	100	130
College	92	62	92	65	111	68
Harrison	21	137	20	131	24	47
Hilliar	118	113	99	107	107	110
Howard	98	81	88	92	98	87
Jackson	30	143	32	140	35	134
Jefferson	118	134	117	126	115	137
Liberty	104	119	94	125	92	123
Middlebury	123	66	114	62	114	69
Milford	115	110	114	99	116	111
Miller	102	74	105	85	103	83
Monroe	89	138	84	143	83	144
Morgan	76	70	80	67	74	79
Morris	98	106	100	95	92	99
Pike	75	221	71	217	70	211
Pleasant	81	106	80	97	89	104
Union	104	115	84	123	84	121
Wayne	203	179	183	207	219	178
Mt. Vernon—						
1st Ward	99	71	96	68	142	97
2d "	74	51	70	55	78	60
3d "	106	45	109	47	119	48
4th "	132	37	139	42	151	41
5th "	210	70	200	96	223	120
Totals	2761	2798	2684	2858	2767	2820

LAKE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Concord	135	43	113	29	132	30
Kirtland	176	54	109	39	152	45
Leroy	143	44	108	36	157	46
Madison	551	143	437	115	493	122
Mentor	239	68	241	67	258	49
Painesville	59	298	556	218	624	229
Perry	227	51	169	36	216	40
Willoughby	341	160	225	113	288	107
Totals	2381	861	1958	653	2320	665

LAWRENCE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Aid.....	157	37	139	38	130	31
Decatur.....	51	128	55	146	61	123
Elizabeth.....	190	231	198	181	195	245
Fayette.....	102	86	137	87	138	53
Hamilton.....	105	63	110	62	111	55
Lawrence.....	107	26	82	26	90	34
Mason.....	125	153	116	138	127	130
Perry.....	122	112	87	107	108	68
Rome.....	141	108	141	157	149	183
Symmes.....	84	64	83	45	75	53
Union.....	149	30	168	58	143	44
Upper.....	173	120	136	118	172	72
Washington.....	72	121	58	93	86	73
Windsor.....	141	81	137	76	123	110
Ironton—1st Ward.....	116	48	111	44	126	41
“ 2d “.....	156	105	155	99	172	81
“ 3d “.....	142	54	154	54	169	35
“ 4th “.....	94	40	131	60	141	32
“ 5th “.....	54	30	91	39	85	41
Totals.....	2281	1637	2289	1618	2421	1504

LICKING COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bennington.....	68	117	71	119	54	119
Bowling Green.....	70	165	74	155	67	169
Burlington.....	106	123	93	126	92	122
Eden.....	32	128	33	117	29	120
Etna.....	85	174	87	155	71	143
Fallsburgh.....	62	164	63	103	64	94
Franklin.....	33	161	33	153	34	145
Granville.....	359	131	371	111	360	110
Hanover.....	78	132	87	147	83	153
Hartford.....	114	128	125	123	122	124
Harrison.....	159	102	143	109	153	104
Hopewell.....	41	150	49	146	42	147
Jersey.....	122	151	127	145	138	138
Liberty.....	102	80	91	91	89	79
Licking.....	45	237	50	213	50	225

LICKING COUNTY—Continued.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Lima	147	185	145	199	.....	.....
Columbia Precinct .....	.....	.....	.....	.....	60	92
Pataskala " .....	.....	.....	.....	.....	112	112
Madison	53	119	55	110	65	124
Mary Ann	56	124	46	109	53	104
McKean	79	125	75	141	82	122
Monroe	93	136	71	133	80	123
Newark	123	189	132	165	88	147
Newton	100	177	97	174	94	181
Perry	71	95	73	118	181	101
St. Albans	168	99	170	99	161	95
Union	110	259	99	271	104	277
Washington	156	100	150	100	152	91
Newark—						
1st Ward	98	142	133	120	185	180
2d "	168	239	201	222	98	186
3d "	209	334	223	336	90	204
4th " .....	...	.....	.....	.....	162	176
Totals	3107	4406	3167	4310	3115	4298

LOGAN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bloomfield	51	77	50	69	37	69
Bokes Creek	148	53	137	58	173	141
Harrison	103	86	98	80	102	94
Jefferson	156	154	160	152	149	169
Lake	386	292	383	266	360	283
Liberty	187	123	173	127	197	125
McArthur	147	102	132	86	150	92
Miami	230	151	206	132	.....	.....
East Precinct .....	.....	.....	.....	.....	120	82
West " .....	.....	.....	.....	.....	93	56
Monroe	148	92	156	92	140	83
Perry	134	49	148	46	138	41
Pleasant	87	104	84	112	77	99
Richland	128	56	102	52	112	62
Rush Creek	182	163	190	165	175	137
Stokes	25	84	22	87	25	85
Union	73	40	75	33	62	37
Washington	82	70	70	60	68	60
Zane	147	57	135	51	116	39
Totals	2414	1753	2321	1668	2239	1654

LORAIN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Amherst	218	209	228	210	217	193
Avon	152	160	170	126	137	134
Black River	86	38	76	29	79	40
Brighton	97	15	86	14	80	6
Brownhelm	124	90	136	57	120	63
Carlisle	134	145	123	130	112	112
Camden	123	52	117	61	121	53
Columbia	118	52	114	52	114	58
Eaton	143	49	148	50	138	42
Elyria	494	241	529	259	522	159
Grafton	108	89	107	86	104	57
Henrietta	131	50	123	49	109	45
Huntington	130	45	136	41	127	45
La Grange	153	106	159	106	149	108
Penfield	122	34	130	32	132	29
Pittsfield	146	67	159	63	150	63
Ridgeville	151	114	143	111	149	90
Rochester	112	49	99	48	112	48
Russia	609	96	760	115	741	107
Sheffield	99	161	114	66	98	40
Wellington	321	68	320	69	315	69
Totals	3771	1830	3977	1774	3826	1561

LUCAS COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Adams	85	57	51	25	94	62
Manhattan	138	32	108	9	124	53
Monclova	121	48	97	44	110	54
Oregon	145	45	62	23	112	51
Providence	80	58	57	44	75	67
Richfield	99	43	76	33	85	49
Spencer	74	39	46	21	72	44
Springfield	103	30	96	32	102	45
Swanton	65	30	45	20	54	35

LUCAS COUNTY—Continued.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Sylvania.....	175	66	119	52	194	73
Washington	225	56	124	17	186	66
Waterville	114	132	67	128	62	87
Waynesfield	26	16	22	10	26	18
Whitehouse					55	64
Maumee City—1st Ward.....	110	45	80	40	111	49
“ 2d “	74	39	47	16	68	36
“ 3d “	29	29	15	30	23	26
Toledo—1st Ward.....	376	153	270	84	402	167
“ 2d “	457	257	375	142	450	250
“ 3d “	499	218	468	141	546	227
“ 4th “	395	363	290	288	388	391
“ 5th “	237	452	137	311	294	509
“ 6th “	149	131	103	111	109	139
“ 7th “	245	148	166	104	301	202
“ 8th “	85	216	81	164	128	269
Totals	4106	2703	3001	1889	4169	3033

MADISON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Canaan	104	45	88	51	101	51
Darby	114	86	125	78	116	68
Deercreek	68	99	68	91	70	106
Fairfield	154	73	136	71	148	90
Jefferson	166	231	209	209	197	200
Monroe	43	37	41	32	50	36
Oak Run	28	43	38	49	48	52
Paint	102	75	111	75	139	89
Pike.....	60	21	66	20	70	21
Pleasant	156	118	170	101	168	122
Stokes	70	122	66	112	71	133
Summerford	114	89	108	83	121	89
Union	350	285	348	316	420	334
Range	69	255	65	221	73	244
Totals	1598	1579	1639	1509	1792	1635

MAHONING COUNTY..

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Anstintown	160	176	170	182	178	202
Beaver	156	228	99	210	150	223
Berlin	112	82	107	79	119	90
Boardman	100	70	83	71	95	75
Canfield	175	184	174	178	182	189
Coitsville	121	93	111	76	141	82
Ellsworth	92	73	84	73	92	69
Goshen	272	47	208	39	264	50
Greene	200	187	162	159	187	180
Jackson	85	138	72	125	83	126
Milton	40	106	27	98	37	115
Poland	317	150	235	95	285	102
Springfield	100	339	76	283	91	335
Smith	236	56	190	34	253	76
Youngstown	837	623	148	143	237	144
" City—1st W'd			172	148	197	173
" " 2d "			159	156	185	146
" " 3d "			93	102	134	116
" " 4th "			118	55	101	57
" " 5th "					76	52
Totals	3003	2552	2488	2306	3087	2602

MARION COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Big Island	95	105	58	84	83	93
Bowling Green	23	132	28	102	28	121
Claridon	143	161	129	130	65	58
Grand	47	30	33	23	39	33
Grand Prairie	37	39	26	35	23	40
Green Camp	96	104	70	82	89	108
Marion	361	369	335	352	362	402
Montgomery	138	149	125	118	138	153
Pleasant	88	123	74	90	87	108
Prospect	123	162	126	151	103	171
Richland	51	171	38	140	35	180
Salt Rock	46	20	41	18	47	15
Scott	22	82	19	71	14	72
Tully	64	102	66	88	62	113
Waldo	59	128	53	110	61	124
Totals	1393	1877	1221	1594	1306	1879

MEDINA COUNTY.

Names of Township and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes,	G. W. McCook.
Brunswick	155	51	155	45	144	42
Chatham	142	50	150	54	137	51
Granger	179	40	170	36	155	32
Guilford	204	166	197	67	180	147
Harrisville	136	108	140	108	129	84
Hinckley	173	29	159	29	150	26
Homer	55	148	53	159	49	134
Lafayette	158	76	156	82	140	71
Litchfield	121	55	144	55	128	36
Liverpool	75	182	80	158	54	157
Medina	119	36	128	48	105	29
Medina Village	175	38	187	45	170	29
Montville	95	58	92	76	93	73
Sharon	118	137	120	127	115	134
Spencer	87	108	101	110	80	104
Wadsworth	264	149	258	150	232	154
Westfield	114	100	94	98	93	83
York	129	55	129	52	123	41
Totals	2499	1586	2513	1599	2277	1427

MEIGS COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bedford	100	150	98	155	105	163
Chester	181	89	180	94	166	115
Columbia	108	106	93	100	95	104
Lebanon	136	102	126	95	156	118
Letart	83	71	70	55	70	64
Middleport Precinct	397	94	151	60	162	50
" 1st Ward .....	...	...	104	20	107	13
" 2d " .....	...	...	123	17	135	15
" 3d " .....	...	...	89	14	105	16
Olive	113	105	116	96	120	88
Orange	101	95	90	97	94	96
Pomeroy Precinct	74	106	79	126	90	109
Rutland	281	93	326	91	357	107
Salem	201	109	188	92	208	103
Scipio	214	120	204	150	160	138
Sutton Racine Precinct	136	79	131	85	124	82
" Syracuse " 	210	160	172	169	225	158
Pomeroy, 1st Ward	84	53	101	42	93	32
" 2d " 	58	103	84	74	75	33
" 3d " 	226	163	283	129	248	153
" 4th " 	83	73	82	68	66	73
Totals	2786	1871	2890	1829	2961	1878

MERCER COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Black Creek	34	128	13	88	40	117
Butler	47	122	58	120	65	146
Center	93	130	77	115	107	126
Dublin	97	172	85	140	92	167
Franklin	29	94	25	72	43	114
Gibson	58	108	41	94	51	107
Granville	8	159	32	139	44	132
Hopewell	29	112	19	88	28	124
Jefferson	44	265	41	228	65	275
Liberty	20	104	16	59	21	100
Marion	14	297	44	198	74	242
Recovery	20	166	15	123	20	158
Union	161	92	136	87	145	83
Washington	41	155	37	117	51	135
Totals	695	2104	639	1668	846	2026

MIAMI COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bethel	110	188	101	192	132	180
Brown	117	211	110	204	107	196
Concord—1st Precinct..	325	153	347	150	350	162
“ 2d “ ..	235	186	233	190	262	177
Elizabeth	99	133	97	131	103	127
Lost Creek	180	132	153	137	156	144
Monroe	322	156	263	221	301	193
Newton	270	116	244	116	229	125
Newberry	304	291	287	298	.....	.....
“ 1st Precinct..	.....	.....	.....	.....	213	236
“ 2d “ ..	.....	.....	.....	.....	67	83
Spring Creek	131	208	149	215	135	183
Stanton	158	95	168	85	165	63
Union	380	115	353	98	379	111
Washington	127	128	125	109	118	100
Piqua—1st Ward	89	117	100	120	94	102
“ 2d “ ..	95	244	97	259	84	214
“ 3d “ ..	169	94	175	117	174	86
“ 4th “ ..	179	82	196	96	191	77
Totals	3290	2649	3198	2738	3260	2559

MONROE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Adams.....	26	141	20	134	31	155
Benton.....	22	106	9	104	21	111
Bethel.....	60	100	64	103	59	92
Centre.....	87	316	82	301	92	296
Franklin.....	94	115	134	107	115	115
Greene.....	25	160	26	162	29	158
Jackson.....	17	133	9	121	25	122
Lee.....	26	126	18	138	16	128
Malaga.....	77	185	77	172	61	186
Ohio.....	89	147	94	125	82	129
Perry.....	60	111	63	102	53	89
Salem.....	92	186	65	145	67	150
Seneca.....	40	176	45	135	24	133
Summit.....	39	148	24	145	31	133
Sunbury.....	72	160	79	170	87	180
Switzerland.....	27	124	19	94	29	112
Washington.....	27	198	33	187	34	191
Wayne.....	23	140	23	123	20	156
Totals.....	903	2792	834	2571	876	2636

MONTGOMERY COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Butler.....	246	187	232	183	249	204
Clay.....	245	221	259	202	257	195
German.....	357	360	390	370	380	370
Harrison.....	183	230	196	208	150	205
Jackson.....	144	310	144	323	141	302
Jefferson.....	575	348	135	330	136	327
Madison.....	124	234	109	223	123	194
Mad River.....	135	186	148	174	116	186
Miami.....	408	559	420	543	394	577
Perry.....	193	163	183	185	162	158
Randolph.....	130	236	125	242	117	212
Van Buren.....	164	238	160	235	146	223
Washington.....	242	137	256	149	243	144
Wayne.....	136	111	128	113	119	113
Dayton—1st Ward.....	277	320	263	298	206	288
“ 2d “.....	310	221	345	223	330	190
“ 3d “.....	408	229	394	226	419	226
“ 4th “.....	276	196	285	185	299	189
“ 5th “.....	384	232	400	240	367	243
“ 6th “.....	374	354	421	328	396	322
“ 7th “.....	196	346	205	384	184	382
“ 8th “.....	198	547	257	508	241	546
“ 9th “.....	172	123	221	135	174	134
“ 10th “.....	78	46	90	59	92	56
“ 11th “.....	208	286	239	291	228	332
Totals.....	6163	6420	6005	6357	5669	6318

MORGAN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bloom	74	91	68	79	90	94
Bristol	101	148	77	152	112	172
Centre	73	153	71	145	92	155
Deerfield	91	116	78	109	93	104
Homer	191	82	175	86	227	96
Malta	192	123	175	94	181	102
Manchester	43	101	41	99	49	106
Marion	320	54	323	61	317	51
Meigsville	112	118	91	126	108	129
Morgan	234	194	194	192	221	204
Penn	191	52	161	47	191	42
Union	170	132	165	137	157	148
Windsor	243	213	215	198	226	236
York	72	122	67	124	82	114
Totals	2107	1699	1901	1649	2146	1753

MORROW COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bennington	157	41	173	31	162	33
Canaan	114	121	104	101	105	106
Cardington	316	98	337	78	254	98
Chester	151	109	145	103	130	98
Congress	64	221	58	188	48	199
Franklin	84	133	90	103	81	118
Gilead	311	146	294	129	288	125
Harmony	55	114	60	103	60	109
Lincoln	134	46	135	44	115	42
North Bloomfield	102	133	88	97	92	111
Perry	43	171	42	149	34	146
Peru	130	59	120	62	95	53
South Bloomfield	160	96	154	100	161	95
Troy	60	85	63	65	54	64
Washington	135	70	142	61	125	55
Westfield	152	94	149	77	128	71
Totals	2168	1737	2154	1491	1932	1523

MUSKINGUM COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Adams.....	53	89	54	94	48	91
Blue Rock	147	83	142	81	147	88
Brush Creek	128	124	133	131	115	138
Cass	62	101	69	100	67	101
Clay	65	93	64	89	64	83
Falls	217	344	280	336	161	142
Harrison	108	133	102	123	128	141
Highland	102	60	107	50	104	47
Hopewell	170	179	180	172	166	171
Jackson	122	124	122	123	132	126
Jefferson	145	113	130	137	124	146
Licking	115	82	121	85	119	84
Madison	112	52	120	71	130	66
Meigs	99	184	119	173	118	188
Monroe	85	90	91	91	94	95
Muskingum	109	107	93	133	94	131
Newton.....	216	228	220	229	195	195
Perry	48	149	56	146	52	153
Rich Hill	139	135	147	139	136	149
Salem	89	101	90	96	92	106
Salt Creek	114	123	112	130	97	120
Springfield.....	392	267	406	223	384	231
Union	162	115	169	130	184	115
Washington	83	157	97	173	74	177
Wayne	121	162	127	162	132	176
Zanesville—1st Ward...	167	120	195	104	192	115
“ 2d “	177	203	190	207	166	207
“ 3d “	112	208	122	201	136	226
“ 4th “	132	151	157	129	159	138
“ 5th “	196	191	215	170	237	179
“ 6th “	100	143	92	141	102	165
“ 7th “ .....	.....	.....	67	45	73	47
“ 8th “ .....	.....	.....	.....	.....	117	217
Totals	4087	4411	4389	4414	4339	4554

NOBLE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Beaver	156	163	134	168	130	171
Brookfield	111	97	95	90	104	93
Buffalo	64	75	56	84	55	88
Centre	214	83	209	75	211	92
Elk	92	144	102	148	101	161
Enoch	67	157	61	176	56	185
Jackson	93	99	87	96	106	115
Jefferson	151	50	135	39	152	52
Marion	258	16	266	17	240	17
Noble	110	132	102	134	105	143
Olive	165	176	159	182	194	213
Seneca	131	75	124	71	109	67

NOBLE COUNTY—Continued.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Sharon	50	178	57	178	69	189
Stock	150	103	173	94	165	111
Wayne	108	36	103	30	109	30
Totals	1920	1589	1865	1582	1906	1727

OTTAWA COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bay	23	53	13	58	11	72
Benton	51	80	57	101	81	132
Carroll	24	102	23	119	33	135
Catawba Island	51	23	50	17	67	24
Clay	144	219	140	222	169	270
Danbury	53	85	48	49	67	92
Erie	27	35	33	30	34	33
Harris	173	230	188	233	195	242
Portage	91	77	75	64	88	91
Put-in-Bay	80	40	92	44	112	51
Salem	26	224	37	242	67	285
Totals	743	1168	756	1179	924	1427

PAULDING COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Anglaize	56	83	47	72	69	76
Benton	23	47	22	47	22	49
Blue Creek	16	...	25	2	28	5
Brown	90	87	82	91	81	81
Carryall	172	149	122	115	145	164
Crane	97	58	92	46	121	70
Emerald	36	79	40	49	54	56
Harrison	25	17	33	19	29	22
Jackson	51	37	32	54	48	58
Latty	19	19	21	24	25	26
Paulding	59	24	51	44	65	56
Washington	79	47	92	44	107	65
Totals	723	647	665	607	794	728

PERRY COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bearfield	193	80	77	74	68	68
Clayton	119	124	85	101	97	97
Harrison	118	87	90	63	96	62
Hopewell	95	138	82	121	84	121
Jackson	112	186	73	157	86	159
Madison	96	46	77	46	79	50
Monday Creek	101	112	72	107	79	102
Monroe	114	120	101	102	95	109
Pike	194	255	179	252	173	273
Pleasant	69	50	61	51	62	46
Reading	289	350	250	296	249	337
Salt Lick	135	88	99	59	144	129
Thorn	66	279	56	279	54	265
Totals	1601	1915	1302	1708	1366	1818

PICKAWAY COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Circleville	24	90	15	71	21	82
Darby	131	125	106	111	124	130
Deer Creek	125	167	108	167	126	176
Harrison	104	144	92	145	93	128
Jackson	84	130	89	112	94	134
Madison	23	144	19	143	26	155
Monroe	186	143	148	188	169	172
Muhlenberg	94	82	100	74	132	76
Perry	186	111	182	103	201	108
Pickaway	148	149	124	143	139	148
Salt Creek	186	177	166	171	182	181
Scioto	120	197	81	192	100	184
Walnut	122	196	115	177	120	187
Washington	22	181	16	166	26	175
Wayne	50	84	56	83	56	94
Circleville—1st Ward ..	72	131	65	131	65	134
“ 2d “ ..	118	253	171	242	195	270
“ 3d “ ..	92	134	171	119	176	134
“ 4th “ ..	91	92	71	100	80	98
Totals	1960	2730	1895	2938	2125	2766

PIKE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Benton	59	132	75	132	80	149
Beaver	19	100	28	84	33	93
Camp Creek	59	90	38	74	47	86
Jackson	137	75	221	53	206	82
Marion	64	74	62	74	75	79
Mifflin	52	151	38	145	43	150
Newton	100	89	99	98	91	103
Preble	76	144	142	143	142	155
Pee Pee	142	286	139	305	144	284
Perry	65	65	70	56	73	63
Scioto	88	39	79	36	77	56
Seal	110	141	126	121	123	139
Sunfish	18	95	18	83	27	111
Union	38	69	53	71	51	70
Totals	1027	1550	1188	1475	1620	1212

PORTAGE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Atwater	162	55	105	25	136	53
Aurora	105	51	93	51	98	44
Brimfield	80	140	64	116	69	133
Charlestown	127	33	106	37	117	37
Deerfield	167	57	139	50	162	69
Edinburg	126	61	106	56	116	63
Franklin	374	260	282	171	352	216
Freedom	136	47	123	45	138	52
Garrettsville	129	41	88	40	88	42
Hiram	128	120	113	114	114	120
Mantua	132	161	103	119	131	115
Nelson	109	96	92	92	99	92
Palmyra	81	109	64	105	74	113
Paris	106	48	93	37	103	45
Randolph	227	127	148	64	181	107
Ravenna	462	284	403	295	478	332
Rootstown	143	121	117	99	119	93
Shalersville	95	121	76	111	98	107
Streetsboro	79	87	72	87	83	94
Suffield	82	161	49	141	64	172
Windham	163	39	140	25	150	40
Totals	3213	2241	2576	1880	2970	2139

PREBLE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Dixon	148	64	136	72	149	79
Gasper	89	71	91	77	102	80
Gratis	260	144	252	152	251	127
Harrison	228	228	207	230	191	223
Israel	245	66	257	59	247	66
Jackson	149	92	169	81	161	84
Jefferson	217	181	232	158	207	141
Lanier	121	184	114	180	110	179
Monroe	352	161	142	157	116	139
Somers	323	103	310	119	310	106
Twin	108	242	124	251	112	240
Washington	387	318	429	278	399	305
Totals	2427	1854	2463	1814	2355	1769

PUTNAM COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Blanchard	86	204	65	197	88	167
Greensburg	35	99	20	90	37	106
Jackson	26	84	22	70	24	86
Jennings	43	128	32	99	37	122
Liberty	75	118	62	97	60	135
Monroe	29	35	26	32	25	39
Monterey	9	138	3	94	14	93
Ottawa—East Precinct.	123	433	109	186	104	214
“ West “	...	...	3	193	4	206
Palmer	8	47	5	34	...	60
Perry	57	35	22	20	43	25
Pleasant	202	162	162	165	206	169
Riley	74	116	64	65	75	69
Sugar Creek	114	76	91	60	98	79
Union	55	121	50	102	67	114
Van Buren	46	189	45	153	65	185
Totals	932	1985	781	1657	947	1869

RICHLAND COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Blooming Grove.....	100	160	89	131	102	149
Butler.....	95	71	86	60	94	68
Cass.....	131	141	124	122	137	113
Franklin.....	48	154	34	127	40	117
Jackson.....	52	131	51	108	47	122
Jefferson.....	236	235	246	236	247	242
Madison.....	154	181	118	168	153	173
Miffin.....	53	120	25	106	51	125
Monroe.....	137	225	120	208	141	208
Perry.....	62	93	56	84	51	93
Plymouth.....	180	141	137	117	146	108
Sandusky.....	41	84	24	57	28	72
Sharon.....	292	254	287	245	296	249
Springfield.....	175	155	161	139	168	125
Troy.....	159	118	150	148	154	137
Washington.....	141	183	125	170	154	175
Weller.....	119	95	112	68	113	84
Worthington.....	101	275	89	232	107	258
Mansfield—1st Ward...	170	79	161	70	202	77
“ 2d “.....	206	199	199	170	257	234
“ 3d “.....	182	271	160	234	163	260
“ 4th “.....	130	224	125	207	143	239
Totals.....	2964	3595	2679	3207	2994	3429

ROSS COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Buckskin.....	220	160	230	178	263	188
Colerain.....	149	176	140	170	150	215
Concord.....	244	264	297	251	332	262
Deerfield.....	121	106	121	115	142	127
Franklin.....	86	79	98	94	104	91
Greene.....	188	204	180	191	186	190
Harrison.....	76	131	63	126	72	137
Huntington.....	118	197	154	202	153	230
Jefferson.....	72	101	95	103	104	99
Liberty.....	77	165	100	149	99	179
Paint.....	106	65	82	13	93	89
Paxton.....	120	170	146	166	158	202
Scioto—Eastern Dist....	66	132	114	104	132	118
“ Western “.....	54	85	73	90	76	103
Springfield—East. Dist..	35	97	58	92	61	99
“ West. “.....	11	67	20	50	20	73
Twin.....	192	184	250	207	259	200
North Union.....	55	51	46	48	50	50
South “.....	135	183	190	195	230	192
Chillicothe—1st Ward..	179	282	192	281	230	288
“ 2d “.....	92	152	205	145	236	139
“ 3d “.....	129	305	130	266	166	240
“ 4th “.....	126	178	126	170	157	193
Totals.....	2651	3536	3115	3456	3475	3754

SANDUSKY COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Ballville	200	189	183	189	185	178
Green Creek	408	271	342	262	390	282
Jackson	134	126	128	101	112	115
Madison	97	109	83	104	97	107
Rice	30	109	28	108	31	113
Riley	79	190	62	180	66	190
Sandusky	113	184	120	178	112	166
Scott	107	168	101	158	95	138
Townsend	128	131	110	121	117	133
Washington	129	296	133	322	129	324
Woodville	89	233	95	224	75	210
York	253	126	233	109	223	125
Fremont—1st Ward	188	75	201	81	200	96
“ 2d “	152	256	136	253	133	262
“ 3d “	68	167	54	180	57	171
Totals	2175	2630	1999	2570	2022	2610

SCIOTO COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Bloom	217	82	189	100	193	123
Brush Creek	65	168	55	165	68	174
Clay	79	93	86	101	94	94
Greene	133	131	114	104	132	109
Harrison	136	114	112	84	132	101
Jefferson	26	75	19	70	39	85
Madison	137	129	112	126	150	124
Morgan	93	35	86	18	93	19
Nile	127	100	131	95	110	122
Porter	188	146	159	146	206	152
Rush	57	61	49	58	63	65
Union	15	61	15	52	16	78
Valley	80	62	67	63	76	63
Vernon	115	127	70	140	92	145
Washington	128	61	117	85	130	83
Portsmouth—1st Ward	125	257	75	199	90	217
“ 2d “	225	130	223	142	227	153
“ 3d “	163	111	163	115	171	118
“ 4th “	185	140	242	141	329	157
“ 5th “	154	123	145	121	171	118
Totals	2448	2206	2229	2125	2582	2300

SENECA COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Adams	147	129	130	135	150	143
Big Spring	70	252	63	251	57	224
Bloom	148	170	139	174	165	178
Clinton	201	251	144	172	154	166
Eden	167	135	172	151	175	147
Hopewell	89	150	96	147	102	149
Jackson	134	89	151	78	129	59
Liberty	140	135	160	135	151	121
London	71	172	88	178	64	160
" Fostoria Prec't..	237	104	290	105	235	127
Pleasant	142	141	132	125	123	133
Reed	156	131	135	146	128	134
Scipio	189	160	185	150	212	160
Seneca	107	195	119	167	94	167
Thompson	68	274	78	256	85	270
Venice	133	214	128	198	122	218
Timn—1st Ward	233	316	293	363	129	125
" 2d " 	149	224	187	245	73	100
" 3d " .....	...	...	...	...	108	152
" 4th " .....	...	...	...	...	99	122
" 5th " .....	...	...	...	...	53	145
Totals	2581	3242	2690	3176	2608	3200

SHELBY COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heasley.	E. F. Noyes.	G. W. McCook.
Clinton	319	333	334	341	360	340
Cynthian	50	216	31	193	48	203
Dinsmore	69	184	87	196	88	221
Franklin	57	88	77	93	64	91
Greene	97	126	98	134	80	136
Jackson	95	157	80	144	97	151
Laramie	83	212	58	191	71	174
McLean	11	254	13	243	14	254
Orange	97	92	91	83	83	76
Perry	98	120	93	127	101	131
Salem	155	124	151	119	155	120
Turtle Creek	120	94	123	92	129	99
Van Buren	28	140	87	101	88	110
Washington	81	87	89	100	77	90
Totals	1360	2227	1412	2157	1455	2196

STARK COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bethlehem	135	289	125	254	140	308
Canton	149	181	140	153	172	207
Jackson	92	219	84	154	110	225
Lake	123	265	112	225	138	280
Lawrence	313	294	286	258	381	308
Lexington—						
Alliance Precinct	641	291	582	235	608	297
Lima “	90	40	86	34	78	43
Marlboro	214	137	177	74	217	158
Nimishillen	182	290	165	258	191	273
Osnaburg—						
Osnaburg Precinct. }	218	199	{ 92	128	113	155
Mapleton “ }			{ 105			
Paris—						
Minerva Precinct	132	89	114	88	130	105
Paris “	73	205	69	175	78	207
Perry	134	225	121	182	138	238
Pike	188	25	181	12	230	53
Plain	160	277	128	250	158	297
Sandy	163	57	162	55	178	72
Sugar Creek	225	119	224	116	230	155
Tuscarawas	227	225	223	202	235	249
Washington	219	153	169	96	199	144
Canton—1st Ward	288	220	270	198	284	230
“ 2d “	280	199	249	162	258	169
“ 3d “	135	145	124	153	132	163
“ 4th “	159	246	168	237	176	261
Massillon—1st Ward	171	71	150	68	152	88
“ 2d “	121	87	87	74	109	101
“ 3d “	201	140	196	132	219	155
“ 4th “	50	115	60	93	55	113
Totals	5083	4803	4649	4105	5214	5110

SUMMIT COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bath	169	35	134	30	146	27
Boston	126	130	99	88	117	126
Copley	180	82	125	76	131	84
Coventry	112	142	71	133	89	173
Cuyahoga Falls	229	71	131	58	150	85
Franklin	129	216	95	175	124	220
Greene	147	164	109	126	124	166
Hudson	219	98	167	61	185	74
Middlebury	126	17	83	6	145	6
Northfield	149	73	107	74	126	74

SUMMIT COUNTY—Continued.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Northampton	85	77	57	63	87	93
Norton	139	185	93	170	116	189
Portage	114	91	89	71	92	98
Richfield	188	8	133	7	141	11
Springfield	144	214	69	177	127	210
Stowe	120	63	90	59	107	56
Tallmadge	205	20	129	25	156	35
Twinsburg	106	69	84	66	88	61
Akron—1st Ward	337	129	262	85	277	151
“ 2d “	443	158	257	118	215	92
“ 3d “	316	165	255	131	157	123
“ 4th “ .....	...	...	...	...	123	84
“ 5th “ .....	...	...	...	...	110	80
Totals	3783	2207	2639	1799	3133	2318

TRUMBULL COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bazetta	173	104	102	73	116	77
Bloomfield	118	21	86	14	106	19
Braceville	155	50	105	37	128	41
Bristol	167	47	152	40	168	42
Brookfield	205	169	181	132	219	114
Champion	90	86	72	66	97	77
Farmington	217	13	207	14	188	14
Fowler	138	36	98	31	107	26
Greene	168	21	122	12	147	14
Gustavus	181	19	146	21	182	21
Hartford	204	66	133	54	165	60
“ Orangeville Pr. ....	...	...	35	15	29	14
Howland	103	32	80	20	90	26
Hubbard	276	249	194	179	267	188
Johnston	109	68	71	52	106	48
Kinsman	185	28	209	34	119	14
Liberty	181	164	123	135	197	130
Lordstown	66	117	44	91	62	96
Mecca	165	61	129	50	140	44
Mesopotamia	159	15	128	13	150	15
Newton	166	140	144	127	158	118
Southington	101	57	93	56	96	58
Vernon	145	32	104	22	117	29
Vienna	169	54	148	42	155	67
Warren	133	83	89	61	106	81
Wethersfield	389	217	141	129	252	103
“ Min'l Ridge Pr. ....	...	...	119	55	153	42
Warren—1st Ward	218	40	203	26	231	35
“ 2d “	162	128	157	84	199	130
“ 3d “	78	27	76	18	95	23
Totals	4621	2144	3691	1703	4345	1766

TUSCARAWAS COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Auburn	56	161	45	141	55	150
Bucks	11	188	12	186	14	168
Clay	112	115	103	120	119	114
Dover	268	385	247	350	244	347
Fairfield	65	51	63	48	65	57
Franklin	73	115	78	102	67	107
Goshen	483	350	452	345	490	362
Jefferson	35	163	29	162	33	176
Lawrence	152	138	131	129	143	122
Mill	385	225	438	235	461	231
Oxford	148	189	151	178	148	170
Perry	93	114	83	123	73	122
Rush	111	68	109	63	107	67
Salem	120	207	122	191	116	189
Sandy	111	75	95	71	92	88
Sugar Creek	46	200	45	169	54	181
Union	97	21	93	23	87	20
Washington	53	130	68	121	49	103
Warren	72	82	74	84	63	77
Warwick	149	123	121	117	129	118
Wayne	51	148	40	137	38	148
York	50	99	51	101	51	104
Totals	2741	3352	2650	3202	2698	3221

UNION COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Allen	151	57	131	28	144	38
Claybourne	229	112	257	101	258	100
Darby	113	143	102	114	109	118
Dover	80	107	76	91	67	91
Jackson	74	92	75	82	98	89
Jerome	163	102	157	100	153	94
Leesburg	128	113	119	126	123	103
Liberty	154	101	160	82	144	78
Mill Creek	46	112	50	112	44	127
Paris	287	288	292	247	325	272
Taylor	112	84	97	70	90	74
Union	196	80	184	72	171	79
Washington	122	22	99	20	124	18
York	198	49	197	40	190	43
Totals	2053	1462	1996	1285	2040	1324

VAN WERT COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Harrison	88	152	62	135	85	166
Hoaglin	55	61	55	61	56	65
Jackson	25	21	24	24	29	39
Jennings	84	60	78	56	95	66
Liberty	120	106	91	111	121	121
Pleasant	450	268	464	251	553	311
Ridge	159	100	162	106	181	118
Tully	35	160	27	139	39	180
Union	34	68	28	72	46	78
Washington	142	296	99	240	149	317
Willshire	127	142	119	96	149	144
York	126	40	126	49	146	50
Totals	1445	1474	1335	1340	1649	1655

VINTON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Brown	107	115	100	126	79	112
Clinton	130	223	106	190	120	157
Eagle	49	73	44	66	52	78
Elk	238	204	198	181	211	188
Harrison	47	83	42	79	59	80
Jackson	113	93	119	91	114	97
Knox	48	47	50	54	56	47
Madison	155	189	119	178	147	193
Richland	102	219	94	207	91	221
Swan	156	66	148	57	149	63
Vinton	37	110	16	91	13	103
Wilkeeville	134	149	129	150	158	142
Totals	1316	1571	1165	1470	1249	1481

WARREN COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Clear Creek—						
Ridgeville Precinct ..	115	115	119	108	108	108
Springboro " ..	237	120	246	117	230	115
Deerfield	168	206	166	194	162	175
Franklin	409	177	433	183	376	215
Hamilton	252	145	292	136	287	140
Harlan	224	267	218	225	194	212
Massie	242	41	281	41	270	27
Salem	261	186	252	192	215	185
Turtle Creek	780	292	840	309	828	280
Union	123	69	144	69	136	64
Washington	162	78	164	74	179	70
Wayne	378	189	428	187	371	179
Totals	3351	1875	3583	1835	3356	1770

WASHINGTON COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Adams	133	165	125	149	134	174
Aurelius	84	26	84	32	103	35
Barlow	169	70	165	69	159	69
Belpre	213	165	94	69	86	71
Belpre Village			126	92	108	74
Decatur	115	83	130	97	115	97
Dunham	47	87	43	78	51	75
Fairfield	45	98	29	82	38	102
Fearing	104	133	77	108	93	133
Grandview	117	302	92	249	118	284
Harmar Precinct	229	81	251	61	260	82
Independence	43	197	22	118	47	190
Lawrence	198	186	199	190	212	209
Liberty	141	107	121	89	173	116
Little Muskingum Prec't ..	157	95	120	72	164	105
Ludlow	31	161	28	152	26	172
Muskingum	106	85	85	76	103	102
Newport	160	193	122	177	180	220
Palmer	79	43	84	39	85	35
Salem	149	142	112	112	151	135
Union	39	129	24	106	39	132
Warren	123	166	102	155	98	159
Waterford	259	141	233	126	256	149
Watertown	146	142	129	142	125	156
Wesley	253	56	225	38	190	42
Marietta—1st Ward	194	147	183	106	166	153
“ 2d “	222	115	197	82	226	114
“ 3d “	162	134	158	105	185	143
Totals	3708	3449	3360	2971	3691	3529

WAYNE COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Baughman.....	226	164	219	169	233	160
Canaan	245	155	221	163	256	145
Chester	197	201	189	188	204	201
Chippewa	207	289	155	276	196	250
Clinton	154	160	152	161	159	159
Congress—						
1st Precinct.....	267	262	261	258	{ 163	{ 138
2d "					{ 112	{ 110
East Union	152	236	147	219	151	215
Franklin	117	166	101	165	118	147
Greene	248	208	278	219	295	208
Milton	83	175	79	178	97	154
Paint	56	208	52	198	61	185
Plain	223	165	200	155	211	144
Salt Creek	142	147	120	157	134	155
Sugar Creek	160	200	157	203	159	184
Wayne	143	188	138	177	167	170
Wooster	119	127	101	115	116	105
Wooster—1st Ward	151	215	136	226	179	212
" 2d "	140	148	158	143	179	165
" 3d "	99	144	108	145	117	135
" 4th "	73	97	75	70	86	77
Totals	3202	3655	3047	3585	3393	3419

WILLIAMS COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Brady	200	76	149	78	200	106
Bridgewater	112	102	94	85	102	80
Centre	153	134	123	147	153	157
Florence	157	147	117	147	131	189
Jefferson	129	142	114	150	153	186
Madison	157	107	105	78	157	136
Mill Creek	77	74	64	60	98	76
North West	137	72	112	60	126	71
Pulaski	332	309	325	313	364	335
Springfield	169	129	126	115	168	118
St. Joseph	155	167	141	152	140	166
Superior	155	121	142	129	173	146
Totals	1933	1580	1612	1514	1965	1766

WOOD COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Bloom	138	108	113	78	122	102
Centre	194	71	140	48	154	64
Freedom	57	112	58	118	64	121
Henry	45	66	27	49	48	69
Jackson	39	20	32	19	34	28
Lake	61	40	64	22	72	54
Liberty	92	49	80	32	80	53
Middletown	101	92	90	76	92	104
Milton	122	95	103	69	125	101
Montgomery	173	140	159	112	160	117
Perry	158	72	125	43	166	55
Perrysburg	257	316	286	293	248	334
Plain	221	93	163	71	165	76
Portage	106	47	83	27	101	59
Troy	34	111	30	107	39	121
Washington	177	46	183	50	167	50
Webster	122	32	115	18	120	22
Weston	255	86	226	68	235	80
Totals	2352	1596	2077	1300	2192	1610

WYANDOT COUNTY.

Names of Townships and Wards.	Governor. 1869.		Secretary of State. 1870.		Governor. 1871.	
	R. B. Hayes.	George H. Pendleton.	Isaac R. Sherwood.	William Heisley.	E. F. Noyes.	G. W. McCook.
Antrim	87	65	61	54	70	67
Crane	312	465	281	409	364	452
Crawford	187	160	138	127	191	145
Eden	88	135	39	85	93	110
Jackson	37	89	23	70	39	75
Kirby	47	133	37	108	36	141
Marseilles	95	51	81	41	86	49
Mifflin	67	92	64	79	73	96
Nevada	144	123	97	109	141	118
Pitt	86	126	88	116	88	112
Richland	70	164	57	110	86	148
Ridge	49	51	39	38	34	48
Salem	58	168	38	95	55	126
Sycamore	108	58	85	43	108	51
Tymochtee	126	189	83	166	116	177
Totals	1561	2069	1211	1650	1580	1915

Abstract of votes cast on the 10th day of October, 1871, for Senators to the Sixtieth General Assembly of the State of Ohio, as follows :

FIRST DISTRICT, (HAMILTON COUNTY.)

Thomas L. Young.....	17,214	John Schiff	17,192
Michael Goepper	15,859	Jos. F. Wright.....	17,600
Daniel Wolf	15,809	Thos. Sherlock.....	16,474

SECOND DISTRICT.

Counties.	Benj. Butterworth.	Peter Murphy.
Butler	2578	4310
Warren	3360	1754
Totals	5938	6064

THIRD DISTRICT.

Counties.	Jas. Sayler.	J. D. Kemp.
Montgomery	5593	6395
Preble	2393	1758
Totals	7986	8153

FOURTH DISTRICT.

Counties.	Jno. M. Goodwin.	L. B. Leeds.
Brown	2071	2770
Clermont	3325	3461
Totals	5396	6231

FIFTH DISTRICT.

Counties.	Jno. Q. Smith.	Wm. Alexander.
Clinton	2497	1388
Fayette	1856	1375
Greene	2989	1474
Totals	7342	4237

SIXTH DISTRICT.

Counties.	Theo. Sherer.	Jno. H. Putnam.
Highland	2983	2882
Ross	3509	3701
Totals	6492	6583

SEVENTH DISTRICT.

Counties.	A. B. Monahan.	Jas. M. Newman.
Adams	1891	2205
Jackson	1954	1751
Scioto	2525	2415
Pike	1161	1625
Totals	7531	7996

EIGHTH DISTRICT.

Counties.	Wm. Nash.	J. V. Stephens.
Gallia	2475	1505
Lawrence	2454	1528
Meigs	2948	1888
Vinton	1249	1470
Totals	9126	6291

NINTH DISTRICT.

Counties.	Jno. S. Brasee.	M. A. Daugherty.
Athens	2455	1571
Fairfield	2155	3614
Hocking	1037	1703
Totals.....	5647	6858

TENTH DISTRICT.

Counties.	S. M. Smith.	Jno. G. Thompson.
Franklin	4751	5595
Pickaway	2107	2766
Totals.....	6858	8361

ELEVENTH DISTRICT.

Counties.	W. M. Beach.	Jas. Taylor.
Champaign	2644	1874
Clarke	3156	2018
Madison	1766	1633
Totals.....	7566	5525

TWELFTH DISTRICT.

Counties.	J. C. Williamson.	Jno. W. Morris.
Darke	2604	3067
Miami	3269	2563
Shelby	1478	2163
Totals.....	7351	7793

THIRTEENTH DISTRICT.

Counties.	Isaac S. Gardner.	Hugh Letson.
Hardin	2065	2036
Logan	2249	1651
Marion	1306	1882
Union	2042	1325
Totals.....	7662	6894

Executive Documents.

FOURTEENTH DISTRICT.

Counties.	R. M. Stimson.	P. B. Buell.
Morgan	2131	1766
Noble (part)	763	807
Washington	3594	3640
Totals	6488	6213

FIFTEENTH DISTRICT.

Counties.	J. T. Shryock.	Wm. H. Holden.
Muskingum	4333	4542
Perry	1333	1813
Totals	5666	6355

SIXTEENTH DISTRICT.

Counties.	T. B. Williams.	J. B. Jones.
Delaware	2818	1860
Licking	3044	4349
Totals	5862	6209

SEVENTEENTH AND TWENTY-EIGHTH DISTRICTS.

Counties.	J. C. Devin.	H. D. McDowell.
Knox	2762	2882
Morrow	1985	1487
Holmes	1017	2232
Wayne	3392	3408
Totals	9154	10,009

EIGHTEENTH DISTRICT.

Counties.	Chas. R. Harvey.	A. W. Patrick.
Coshocton	1970	2516
Tuscarawas	2660	3247
Totals	4630	5763

NINETEENTH DISTRICT.

Counties.	C. W. Moseley.	J. O. Amos.	Stephen Potts.
Guernsey	2800	2186 .....	.....
Monroe .....	.....	2601	874
Noble (part)	667	513 .....	.....
Totals	3467	5300	874

TWENTIETH DISTRICT.

Counties.	Samuel Knox.	J. B. Jamison.
Belmont	3878	3720
Harrison	2161	1674
Totals	6039	5394

TWENTY-FIRST DISTRICT.

Counties.	A. C. Wales.	L. L. Lamborn.
Carroll	1583	1216
Stark	5277	5074
Totals	6860	6290

TWENTY-SECOND DISTRICT.

Counties.	J. T. Updegraff.	W. S. Smith.
Columbiana	3733	2552
Jefferson	3177	2009
Totals	6910	4561

TWENTY-THIRD DISTRICT.

Counties.	L. C. Jones.	David Owens.
Mahoning	3005	2673
Trumbull	4140	1655
Totals	7145	4328

Executive Documents.

TWENTY-FOURTH DISTRICT.

Counties.	J. S. Casement.	E. J. Sweeny.
Ashtabula	4150	1141
Lake	2246	667
Geauga	2196	490
Totals	8592	2298

TWENTY-FIFTH DISTRICT, (CUYAHOGA COUNTY.)

A. T. Brinsmade*	9529	E. D. Burton	7002
B. R. Beavis*	9593	E. P. Morgan	234
R. P. Ranney	6983	B. Excell	231

* Elected.

TWENTY-SIXTH DISTRICT.

Counties.	Alphonso Hart.	D. C. Coolman.
Portage	2925	2158
Summit	3146	2307
Totals	6071	4465

TWENTY-SEVENTH AND TWENTY-NINTH DISTRICTS.

Counties.	J. A. Bell.	John Cowan.
Medina	2252	1428
Lorain	3826	1565
Ashland	1862	2187
Richland	2995	3428
Totals	10,935	8628

THIRTIETH DISTRICT.

Counties.	W. O. Parker.	S. Jay Patrick.
Erie	2219	1558
Huron	3276	2291
Ottawa	930	1420
Sandusky	1885	2620
Totals	8310	7889

THIRTY-FIRST DISTRICT.

Counties.	U. F. Cramer.	A. E. Jenner.
Crawford.....	1690	2942
Seneca	2642	3180
Wyandot	1576	1912
Totals.....	5908	8034

THIRTY-SECOND DISTRICT.

Counties.	P. W. Hardesty.*	Chas. Boesel.*
Allen.....	2190	2188
Anglaize	2073	2064
Defiance	1552	1555
Mercer	2020	2007
Paulding	716	728
Van Wert	1659	1658
Williams	1775	1775
Totals.....	11,985	11,975

* Two members in District. No opposition.

THIRTY-THIRD DISTRICT.

Counties.	H. P. Gage.	D. W. H. Howard	J. E. Hunt.	A. H. Tyler.
Fulton	1639	1591	994	990
Hancock	2240	2224	2369	2384
Henry	760	768	1173	1244
Lucas	4107	4152	3068	3046
Pntnam	948	949	1869	1869
Wood	2200	2198	1610	1607
Totals.....	11,914	11,892	11,083	11,140

Abstract of Votes cast for Representatives in the Forty-First and Forty-Second Congress of the United States, from the State of Ohio.

FIRST DISTRICT.

County.	1868.		1870.	
	Eggleston.	Strader.	Perry.	Sayler.
Hamilton.....	10,272	10,483	8,039	7,294

Majorities—Strader, 211 ; Perry, 745.

SECOND DISTRICT.

County.	Stevenson.	Cary.	Stevenson.	Cary.
Hamilton.....	11,694	11,197	9,294	7,745

Majorities—Stevenson, in 1868, 497 ; in 1870, 1,549.

THIRD DISTRICT.

Counties.	Schenck,	Vallandig'm	Schenck.	Campbell.
Butler.....	3200	5333	2896	4894
Montgomery	6440	5557	5952	6246
Preble.....	2769	1979	2449	1808
Warren.....	3884	1949	3488	1890
Totals.....	16,293	15,818	14,785	14,838

Majorities—Schenck, 475 ; Campbell, 53.

FOURTH DISTRICT.

Counties.	Lawrence.	Leedom.	McClung.	McKinney.	Callahan.
Champaign	2769	2346	2451	2009	4
Darke	2878	3381	2515	3212	.....
Logan	2614	1922	2287	1713	6
Miami	3810	2893	3061	2874	82
Shelby	1535	2485	1427	2158	25
Totals	13,656	13,027	11,741	11,966	117

Majorities—Lawrence, 629 ; McKinney over McClung, 225, over both, 108.

FIFTH DISTRICT.

Counties.	1868.		1870.	
	Grissell.	Mungen.	Clark.	Lamison.
Allen	1782	2549	1367	1880
Anglaize	1021	2693	863	1966
Hancock	2124	2526	1962	2046
Hardin	1775	1799	1531	1476
Mercer	764	2271	638	1648
Van Wert	1503	1459	1319	1331
Wyandot	1620	2138	1214	1650
Totals	10,589	15,435	8894	11,993

Majorities—Mungen, 4,846; Lamison, 3,099.

SIXTH DISTRICT.

Counties.	Smith.	Barrere.	Smith.	Denver.	Louden.
Brown	2549	3307	2027	3031	23
Clermont	3290	3783	2940	3318	88
Clinton	2817	1634	2547	1509	116
Fayette	1884	1473	1739	1279	15
Highland	2923	2923	2810	2690	84
Totals	13,463	13,120	12,063	11,827	326

Majorities—Smith, in 1868, 343; Smith over Denver, 236; both over Smith, 90.

SEVENTH DISTRICT.

Counties.	Winans.	Thomas.	Shellabarger	Jewett.
Clarke	3759	2493	3662	2316
Franklin	4731	7802	4513	6402
Greene	3873	1963	3694	1816
Madison	1615	1615	1619	1526
Totals	13,987	13,873	13,488	12,060

Majorities—Winans, 105; Shellabarger, 1,428.

EIGHTH DISTRICT.

Counties.	Beatty.	Benson.	Beatty.	Hubbell.	Lindsey.
Delaware	2896	2206	2464	1985	181
Marion	1452	1943	1212	1576	9
Morrow	2383	1808	2227	1422	7
Richland	3226	3753	2713	3190	153
Union	2241	1540	1994	1277	5
Totals	11,193	11,250	10,610	9441	312

Majorities—Beatty, in 1868, 948; Beatty over Hubbell, 1,169; over both, 857.

NINTH DISTRICT.

Counties.	1868.		1870.		
	Gibson.	Dickinson.	Foster.	Dickinson.	Brooks.
Crawford	1861	3599	1613	2461	.....
Erie	2291	2152	2735	1260	55
Huron	3351	2350	3344	1939	79
Ottawa	905	1499	791	1148	4
Sandusky	2291	3134	1940	2670	.....
Seneca	2278	3583	2251	3020	13
Totals.....	14,677	16,322	13,274	12,498	151

Majorities--Dickinson, 1,645; Foster over Dickinson, 776; over both, 625.

TENTH DISTRICT.

Counties.	Ashley.	Hoag.	Peck.	Lockwood	Pease.
Defiance	967	1938	804	1318	.....
Fulton	2032	1263	1475	857	16
Henry	1010	1611	785	1252	.....
Lucas	4105	4035	2982	1894	77
Paulding	706	668	661	614	.....
Putnam	1076	2088	783	1667	1
Williams	2068	1843	1619	1520	11
Wood	2631	2061	2193	1120	.....
Totals.....	14,595	15,507	11,302	10,242	105

Majorities—Hoag, 912; Peck over Lockwood, 1,060; over both, 955.

ELEVENTH DISTRICT.

Counties.	Wilson.	Sanna.	Wilson.	Leete.
Adams	1979	2200	1651	2011
Gallia	2429	1812	2238	1302
Jackson	2015	1789	1763	1593
Lawrence	2902	1739	2260	1660
Scioto	2802	2343	2229	2148
Vinton	1487	1620	1153	1475
Totals.....	13,631	11,503	11,294	10,189

Majorities—Wilson, in 1868, 2,128; in 1870, 1,105.

TWELFTH DISTRICT.

Counties.	1868.		1870.	
	Turney.	Van Trump.	Brown.	Van Trump.
Fairfield	2286	3940	1777	3397
Hocking	1206	2086	930	1514
Perry	1625	2010	1314	1704
Pickaway	2132	2770	1897	2619
Pike	1039	1745	1188	1472
Ross	3086	3736	3159	3417
Totals	11,374	16,287	10,265	14,123

Majorities—Van Trump, in 1868, 4,913; in 1870, 3,858.

THIRTEENTH DISTRICT.

Counties.	Cooper.	Morgan.	Potwin.	Morgan.
Coshocton	2162	2611	1897	2538
Knox	2909	2790	2584	2973
Licking	3373	4513	3164	4308
Muskingum	4536	4700	4402	4377
Totals	12,980	14,614	12,047	14,194

Majorities—Morgan, in 1868, 1,634; in 1870, 2,147.

FOURTEENTH DISTRICT.

Counties.	Welker.	Critchfield.	Monroe.	Critchfield.	Whiton.
Ashland	2099	2502	1905	2185	42
Holmes	977	2917	911	2304	.....
Lorain	4281	1998	4010	1771	40
Medina	2783	1797	2491	1608	.....
Wayne	3435	3899	2954	3677	3
Totals	13,575	13,113	12,271	11,545	85

Majorities—Welker, 462; Monroe over Critchfield, 726; over both, 641.

FIFTEENTH DISTRICT.

Counties.	Moore.	Follett.	Sprague.	Cartwright.	Parker.
Athens.....	2807	1590	2367	1440	.....
Meigs.....	3234	2164	2829	1873	.....
Monroe.....	1274	3289	879	2580	3
Morgan.....	2429	1945	1834	1672	.....
Washington.....	4029	3829	3354	2982	140
Totals.....	13,773	12,817	11,263	10,547	143

Majorities—Moore, 956; Sprague over Cartwright, 716; over both, 563.

SIXTEENTH DISTRICT.

Counties.	1868.		1870.	
	Bingham.	Estep.	Bingham.	Chambers.
Belmont.....	3701	4061	3345	3626
Guernsey.....	2681	2126	2477	1909
Harrison.....	2201	1753	2084	1617
Noble.....	2174	1795	1868	1578
Tuscarawas.....	3000	3606	2661	3228
Totals.....	13,757	12,341	12,435	11,958

Majorities—Bingham, in 1868, 416; in 1870, 477.

SEVENTEENTH DISTRICT.

Counties.	Ambler.	Lawson.	Ambler.	Ball.
Carroll.....	1712	1333	1482	1059
Columbiana.....	4621	2981	3178	2427
Jefferson.....	3293	2211	2686	1776
Stark.....	5372	5077	4339	4252
Totals.....	14,998	11,602	11,685	9,514

Majorities—Ambler, in 1863, 3,396; in 1870, 2,171.

EIGHTEENTH DISTRICT.

Counties.	Upson.	Backus.	Upson.	Coffinberry.	Taylor.
Cuyahoga.....	11,241	8550	6463	4244	297
Lake.....	2800	924	1951	655	8
Summit.....	4318	2506	2639	1796	143
Totals.....	18,359	11,980	11,053	6,695	448

Majorities—Upson, in 1868, 6,379; in 1870, over Coffinberry, 4,358; over both, 3,910.

NINETEENTH DISTRICT.

Counties.	Garfield.	McEwen.	Garfield.	Howard.
Ashtabula	5758	1510	3276	966
Geauga	2783	683	1688	379
Mahoning	3191	2785	2382	2320
Portage	3461	2402	2547	1886
Trumbull	4994	2379	3645	1714
Totals	20,187	9,759	12,538	7,263

Majorities—Garfield, in 1868, 10,428; in 1870, 6,275.

9—Ex. Doc. Pt. I.

*Abstract of Votes cast at State and Presidential Elections in Ohio, from
1851 to 1871, inclusive.*

Year.	Officer to be elected.	Name of candidate.	Votes each received.	Total vote cast.
1851.....	President.....	Winfield Scott..... Franklin Pierce..... John P. Hale.....	152,523 168,933 31,732	353,188
1853.....	Governor.....	Nelson Barrere..... Wm. Medill..... Samuel Lewis.....	85,857 147,663 50,346	283,866
1854.....	Supreme Judge.....	Jos. R. Swan..... S. F. Norris.....	186,498 109,075	295,573
1855.....	Governor.....	S. P. Chase..... Wm. Medill..... Allen Trimble.....	146,770 131,019 24,276	302,065
1856.....	President.....	John C. Fremont..... James Buchanan..... M. Fillmore.....	187,497 170,874 28,126	386,497
1857.....	Governor.....	S. P. Chase..... H. B. Payne..... P. Van Trump.....	160,568 159,065 10,272	329,905
1858.....	Supreme Judge.....	Wm. V. Peck..... Thomas W. Bartley.....	192,942 162,610	345,552
1859.....	Governor.....	W. Dennison, Jr..... R. P. Ranney.....	184,557 171,226	355,783
1860.....	President.....	A. Lincoln..... S. A. Douglas..... John Bell..... J. C. Breckinridge..... Gerritt Smith.....	221,809 187,421 12,193 11,303 136	442,962
1861.....	Governor.....	David Tod..... H. J. Jewett.....	206,997 151,794	358,791
1862.....	Secretary of State..	Wilson S. Kennon..... W. W. Armstrong.....	178,755 184,315	363,070
1863.....	Governor.....	John Brough..... C. L. Vallandigham.....	288,374 187,492	475,866
1864.....	Secretary of State..	Wm. Henry Smith..... W. W. Armstrong.....	237,210 182,439	419,649
1864.....	President.....	A. Lincoln..... Geo. B. McClellan.....	265,654 205,599	471,25
1865.....	Governor.....	J. D. Cox..... G. W. Morgan.....	223,633 193,797	417,430
1866.....	Secretary of State..	Wm. Henry Smith..... Ben. LeFever.....	256,302 213,606	469,908
1867.....	Governor.....	R. B. Hayes..... A. G. Thurman.....	243,605 240,622	484,227
1868.....	Secretary of State..	L. R. Sherwood..... Thomas Hubbard.....	267,065 249,682	516,747

Abstract of votes cast at State and Presidential Elections—Continued.

Year.	Officer to be elected.	Name of candidate.	Votes each received.	Total vote cast.
1868.....	President.....	U. S. Grant	280,223	518,829
		H. Seymour.....	238,606	
1869.....	Governor	R. B. Hayes.....	235,081	463,340
		G. H. Pendleton.....	227,580	
		Samuel Scott	679	
1870.....	Secretary of State.....	Isaac R. Sherwood	221,709	429,587
		Wm. Heisley.....	205,015	
		Jay Odell.....	2,862	
1871.....	Governor	Edward F. Noyes.....	238,273	460,462
		George W. McCook.....	218,105	
		Gideon T. Stewart.....	4,084	

Table showing the vote by counties at State and Presidential elections in the State of Ohio, for each year from 1865 to 1871 inclusive.

COUNTIES.	1865.		1866.		1867.	
	Governor.		Secretary of State.		Governor.	
	Jacob D. Cox.	George W. Morgan.	Wm. Henry Smith.	Ben Le Faver.	R. B. Hayes.	A. G. Thurman.
Adams	1,982	1,770	2,064	2,012	1,982	2,300
Allen	1,623	2,152	1,853	2,257	1,737	2,624
Ashland	2,030	2,219	2,175	2,208	2,161	2,464
Ashtabula	4,069	961	5,004	936	5,061	1,377
Athens	2,541	1,160	2,647	1,210	2,598	1,701
Anglaize	918	2,049	1,039	2,236	925	2,713
Belmont	3,363	3,289	3,535	3,560	3,412	3,971
Brown	2,610	2,879	2,822	3,102	2,407	3,266
Butler	2,981	4,245	3,021	4,726	2,800	4,886
Carroll	1,632	1,177	1,751	1,177	1,634	1,289
Champaign	2,440	1,625	2,760	1,836	2,623	2,159
Clarke	2,946	1,719	3,569	1,960	3,290	2,113
Clermont	3,336	3,307	3,466	3,613	3,246	3,737
Clinton	2,328	1,253	2,844	1,499	2,634	1,624
Columbiana	3,705	2,271	4,292	2,387	4,237	2,919
Coshocton	1,979	2,374	2,098	2,472	2,102	2,619
Crawford	1,759	2,911	1,997	3,179	1,864	3,497
Cuyahoga	7,472	5,809	8,631	5,697	9,673	7,436
Darke	2,637	2,605	2,881	2,915	2,661	3,246
Defiance	849	1,509	1,072	1,666	1,009	1,855
Delaware	2,491	1,669	2,827	1,951	2,727	2,311
Erie	2,143	1,651	2,988	1,797	2,480	1,989
Fairfield	2,351	3,394	2,139	3,445	2,056	3,940
Fayette	1,547	1,087	1,817	1,818	1,733	1,543
Franklin	4,296	6,236	4,652	6,490	4,600	7,255
Fulton	1,511	879	2,066	1,057	1,902	1,146
Gallia	2,095	1,051	2,477	1,370	2,201	1,902
Geauga	2,201	526	2,512	403	2,654	630
Greene	3,873	1,523	3,963	1,583	3,615	1,857
Guernsey	2,503	1,853	2,711	1,913	2,549	2,052
Hamilton	17,943	13,605	22,118	18,341	19,961	18,437
Hancock	2,120	2,222	2,272	2,280	2,172	2,509
Hardin	1,644	1,302	1,749	1,415	1,770	1,770
Harrison	1,969	1,467	2,122	1,521	2,112	1,660
Henry	811	1,268	1,006	1,402	955	1,544
Highland	2,695	2,063	3,056	2,655	2,881	2,885
Hocking	1,265	1,691	1,115	1,819	1,179	2,129
Holmes	948	2,658	942	2,755	957	2,988
Huron	3,202	1,944	4,010	2,052	3,683	2,273
Jackson	1,558	1,102	1,929	1,669	1,857	1,821
Jefferson	2,843	1,589	3,210	1,763	2,969	2,202
Knox	2,629	2,438	2,924	2,471	2,814	2,811
Lake	2,103	628	2,402	557	2,392	830
Lawrence	1,847	1,261	2,346	1,394	2,009	2,259
Licking	3,152	3,804	3,392	4,040	3,133	4,441
Logan	2,302	1,487	2,595	1,649	2,516	1,837
Lorain	3,474	1,674	4,373	1,708	4,095	1,807

Abstract of Votes—Continued.

COUNTIES.	1865.		1866.		1867.	
	Governor.		Secretary of State.		Governor.	
	Jacob D. Cox.	Geo. W. Morgan.	Wm. Henry Smith.	Ben LeFever.	R. B. Hayea.	A. G. Thurman.
Lucas	2,942	1,713	4,193	2,624	3,844	2,655
Madison	1,391	1,157	1,614	1,440	1,515	1,533
Mahoning	2,504	2,184	2,935	2,276	2,898	2,602
Marion	1,460	1,657	1,523	1,679	1,377	1,953
Medina	2,521	1,636	2,772	1,639	2,626	1,686
Meigs	2,450	1,493	2,931	1,669	2,773	2,185
Mercer	730	1,798	763	2,011	698	2,323
Miami	3,175	2,289	3,716	2,537	3,352	2,810
Monroe	1,177	2,783	1,069	2,863	1,111	3,477
Montgomery	5,083	5,034	5,628	5,608	5,602	6,282
Morgan	2,220	1,628	2,446	1,825	2,403	1,953
Morrow	2,105	1,560	2,249	1,603	2,240	1,801
Muskingum	3,972	3,903	4,562	4,207	4,315	4,671
Noble	1,949	1,588	2,153	1,699	2,009	1,873
Ottawa	697	920	892	1,048	808	1,260
Paulding	502	352	753	490	761	666
Perry	1,713	1,774	1,720	1,912	1,599	2,090
Pickaway	2,111	2,422	2,061	2,539	1,882	2,870
Pike	905	1,333	1,037	1,519	973	1,770
Portage	2,853	1,932	3,365	1,972	3,342	2,317
Preble	2,333	1,524	2,717	1,761	2,422	1,867
Putnam	875	1,493	1,164	1,954	972	2,020
Richland	2,874	3,278	2,957	3,314	3,068	3,691
Ross	3,028	3,125	3,272	3,362	2,889	3,837
Sandusky	2,161	2,355	2,407	2,556	2,267	2,834
Scioto	2,205	1,936	2,619	2,131	2,327	2,535
Seneca	2,807	3,030	2,979	3,343	2,739	3,584
Shelby	1,412	1,886	1,483	2,071	1,350	2,393
Stark	4,447	4,026	4,809	4,052	4,669	4,821
Summit	3,220	1,879	3,717	1,676	3,942	2,274
Trumbull	3,989	1,851	4,623	1,785	4,525	2,189
Tuscarawas	2,715	3,048	2,997	3,205	2,746	3,483
Union	1,930	1,173	2,206	1,270	2,128	1,537
Van Wert	1,247	1,153	1,482	1,296	1,408	1,408
Vinton	1,137	1,168	1,376	1,363	1,302	1,634
Warren	3,229	1,489	3,943	1,742	3,638	1,905
Washington	3,439	3,042	3,796	3,169	3,722	3,718
Wayne	3,053	3,257	3,343	3,402	3,313	3,704
Williams	1,662	1,388	2,282	1,630	2,199	1,801
Wood	2,036	1,408	2,783	1,838	2,420	1,800
Wyandot	1,673	1,869	1,731	1,925	1,609	2,183
Totals	223,633	193,797	256,302	213,606	243,605	240,622

Abstract of Votes—Continued.

COUNTIES.	1868.		1868.		1869.		1870.		1871.				
	Secretary of State.		President.		Governor.		Secretary of State.		Governor.				
	Isaac R. Sherwood.	Thomas Hubbard.	U. B. Grant.	Horatio Seymour.	Rutherford B. Hayes.	George H. Pendleton.	Sam'l Scott.	Isaac R. Sherwood.	William Healey.	Jay Odell.	Edward F. Noyes.	George W. McCook.	Gideon T. Stewart.
Adams	1,997	2,204	2,044	2,247	1,632	2,223	.....	1,670	2,007	.....	1,895	2,202	.....
Allen	1,782	2,550	1,892	2,597	1,687	2,359	.....	1,378	1,934	.....	1,708	2,180	.....
Ashland	2,115	2,497	2,205	2,504	2,006	2,395	14	1,897	2,185	55	1,883	2,177	40
Ashabula	5,766	1,510	6,108	1,400	4,945	1,243	.....	3,216	926	176	4,221	1,164	191
Athens	2,725	1,687	2,908	1,592	2,578	1,644	.....	2,374	1,417	21	2,505	1,540	66
Auglaize	1,022	2,698	1,266	2,754	914	2,430	.....	866	1,971	.....	804	2,070	.....
Belmont	3,757	4,042	3,893	3,862	3,248	3,764	6	3,397	3,621	100	3,899	3,681	38
Brown	2,552	3,305	2,715	3,238	2,015	3,194	.....	2,077	2,972	100	2,053	2,771	34
Butler	3,206	5,395	3,298	4,945	2,769	4,679	2	2,956	4,877	16	2,618	4,232	52
Carroll	1,727	1,332	1,807	1,289	1,622	1,210	.....	1,509	1,088	.....	1,598	1,218	.....
Champaign	2,814	2,308	2,954	2,138	2,524	2,001	.....	2,468	2,004	5	2,646	1,859	21
Clarke	3,795	2,467	3,928	2,196	3,459	2,159	33	3,698	2,282	37	3,173	2,020	65
Clermont	3,313	3,759	3,475	3,591	2,950	3,784	.....	3,066	3,303	.....	3,324	3,468	4
Clinton	2,820	1,634	2,922	1,571	2,556	1,474	.....	2,695	1,504	.....	2,546	1,387	39
Columbiana	4,667	2,988	4,881	2,931	3,985	2,700	78	3,363	2,261	20	3,800	2,466	73
Coshocton	2,163	3,516	2,176	2,621	1,969	2,437	6	1,999	2,698	6	1,962	2,505	36
Crawford	1,887	3,596	2,019	3,607	1,631	3,183	21	1,603	2,459	.....	1,690	2,948	26
Cuyahoga	11,288	8,513	12,582	7,981	9,402	6,727	53	6,700	4,047	310	11,287	5,320	387
Darke	2,890	3,375	2,969	3,141	2,528	3,327	2	2,512	3,195	26	2,500	3,169	28
Defiance	1,021	1,907	1,108	1,894	962	1,665	.....	793	1,318	15	835	1,547	63
Delaware	2,901	2,202	2,976	2,166	2,685	2,043	.....	2,541	1,907	144	2,610	2,072	217
Erie	2,941	2,141	3,130	1,864	2,341	1,848	.....	2,548	1,447	63	2,231	1,555	38
Fairfield	2,283	3,943	2,439	4,076	2,144	3,831	.....	1,782	3,391	.....	2,185	3,622	25
Fayette	1,896	1,465	1,970	1,376	1,770	1,288	.....	1,771	1,268	.....	1,860	1,378	3
Franklin	4,742	7,806	5,079	7,119	4,289	6,552	.....	4,693	6,116	108	4,649	6,163	227

Fulton	2,101	1,223	2,171	1,150	1,966	1,146	1,474	887	19	1,645	901	46
Galla	2,437	1,799	2,678	1,620	2,172	1,560	2,227	1,291	23	2,472	1,488	66
Geauga	2,405	679	2,892	640	2,489	573	1,706	375	5	2,213	492	7
Greene	3,907	1,950	4,233	1,829	3,191	1,717	3,744	1,770	3	3,000	1,482	27
Guernsey	2,698	2,114	2,743	1,949	2,380	1,836	2,506	1,901	4	2,417	1,431	25
Hamilton	22,852	21,018	24,167	18,768	17,939	19,248	17,661	14,864	.....	17,843	16,297	14
Hancock	2,136	2,535	2,279	2,528	1,946	2,438	1,960	2,085	.....	2,218	2,401	.....
Hardin	1,770	1,807	1,884	1,773	1,773	1,892	1,525	1,476	26	2,057	2,028	21
Harrison	2,251	1,793	2,267	1,620	2,043	1,635	2,101	1,614	.....	2,212	1,637	15
Henry	1,045	1,588	1,117	1,464	913	1,394	758	1,290	12	779	1,243	4
Highland	2,947	2,924	3,038	2,850	2,805	2,903	2,957	2,690	.....	2,992	2,868	14
Hocking	1,206	2,086	1,369	2,111	1,190	1,873	895	1,524	35	1,046	1,715	40
Holmes	1,004	2,908	1,083	2,859	881	2,356	921	2,311	4	977	2,385	1
Huron	3,906	2,339	4,019	2,243	3,393	2,112	3,292	1,955	127	3,289	2,070	140
Jackson	2,017	1,790	2,063	1,612	1,768	2,115	1,799	1,586	2	1,928	1,768	6
Jefferson	3,305	2,907	3,394	2,117	2,921	2,115	2,764	1,850	.....	3,075	2,111	.....
Knox	2,901	2,832	2,908	2,766	2,761	2,798	2,684	2,858	23	2,767	2,820	13
Lake	2,802	921	2,909	889	2,381	861	1,958	853	10	2,320	668	53
Lawrence	2,901	1,743	3,159	1,647	2,281	1,637	2,289	1,618	25	2,421	1,504	90
Licking	3,379	4,506	3,487	4,432	3,107	4,406	3,167	4,310	.....	3,115	4,298	12
Logan	2,689	1,875	2,778	1,770	2,414	1,753	2,321	1,668	21	2,289	1,654	12
Lorain	4,300	1,987	4,443	1,930	3,771	1,830	3,977	1,774	62	3,896	1,561	24
Lucas	4,597	3,640	4,873	3,087	4,106	2,703	3,001	1,888	63	4,169	3,033	100
Madison	1,623	1,604	1,882	1,550	1,598	1,579	1,639	1,509	9	1,792	1,635	3
Mahoning	3,207	2,775	3,387	2,757	3,003	2,552	2,488	2,306	9	3,087	2,602	160
Marion	1,457	1,941	1,648	1,936	1,393	1,877	1,921	1,504	2	1,306	1,879	2
Medina	2,797	1,792	2,886	1,693	2,499	1,886	2,513	1,599	.....	2,277	1,427	3
Melgs	3,242	2,161	3,518	2,027	2,786	1,871	2,890	1,829	.....	2,961	1,878	70
Mercer	763	2,271	884	2,394	695	2,104	639	1,668	.....	846	2,026	.....
Miami	3,843	2,881	3,958	2,659	3,290	2,649	3,198	2,738	97	3,280	2,559	70
Monroe	1,274	3,283	1,413	3,397	903	2,792	884	2,571	11	876	2,636	35
Montgomery	6,454	6,644	6,502	6,113	6,163	6,420	6,005	6,357	43	5,669	6,318	130
Morgan	2,434	1,941	2,921	1,895	2,107	1,699	1,901	1,649	179	2,146	1,753	189
Morrow	2,406	1,814	2,671	1,870	2,168	1,737	2,154	1,491	21	1,932	1,523	39
Muskingum	4,552	4,685	4,679	4,534	4,087	4,411	4,389	4,414	.....	4,339	4,554	29
Noble	2,185	1,790	2,204	1,715	1,920	1,589	1,865	1,582	.....	1,906	1,727	1
Ottawa	922	1,492	963	1,304	743	1,168	756	1,179	7	924	1,427	27
Paulding	759	646	834	623	723	647	665	607	21	794	728	15
Perry	1,625	2,011	1,725	1,986	1,601	1,915	1,302	1,708	11	794	1,818	.....
Pickaway	2,095	2,816	2,176	2,725	1,960	2,730	1,895	2,698	1	2,185	2,760	40
Pike	.....	1,155	1,165	1,727	1,027	1,550	1,188	1,475	.....	1,212	1,620	.....
Portage	3,493	2,401	3,604	2,362	3,213	2,941	2,576	1,890	11	2,970	2,139	47

Abstract of Votes—Continued.

COUNTIES.	1868.		1869.		1870.		1871.						
	President.		Governor.		Secretary of State.		Governor.						
	Secretary of State.	U. S. Grant.	Horatio B. Seymour.	Rutherford B. Hayes.	George H. Pendleton.	Sam'l Scott.	Isaac R. Sherwood.	William Halsey.	Jay Odell.	Edward F. Noyes.	George W. McCook.	Gideon T. Stewart.	
Preble.....	Isaac R. Sherwood.	2,779	1,987	2,427	1,854	.....	2,463	1,814	4	2,355	1,769	46
Putnam.....	Thomas Hubbard.	1,067	2,003	982	1,985	1	781	1,657	10	947	1,869	4	
Richland.....		1,109	2,083	982	1,985	40	2,679	3,207	136	2,994	3,429	50	
Ross.....		3,227	3,750	2,961	3,595	.....	3,115	3,456	2	3,475	3,754	10
Sandusky.....		3,085	3,735	2,651	3,536	.....	1,999	2,570	58	2,022	2,610	37
Scioto.....		2,376	3,059	2,846	2,630	.....	2,239	2,125	42	2,582	2,300	66
Seneca.....		2,807	2,342	2,448	2,206	.....	2,690	3,176	27	2,608	3,200	46
Shelby.....		2,900	3,595	2,581	3,242	.....	1,412	2,157	40	1,455	2,196	2
Stark.....		1,596	2,478	2,274	1,360	.....	4,649	4,105	.....	5,214	5,110	63
Summit.....		5,380	5,087	4,948	5,083	4,803	2,639	1,797	151	3,133	2,318	163	
Trumbull.....		4,317	2,512	4,634	3,783	2,207	3,691	1,703	120	4,345	1,766	120	
Tuscarawas.....		5,054	2,373	5,338	4,621	2,144	3,552	3	80	2,698	3,221	6	
Union.....		3,013	3,602	3,145	2,741	1,462	1,996	1,295	4	2,040	1,324	12	
Van Wert.....		2,245	1,534	2,361	2,053	1,474	1,335	1,340	.....	1,649	1,655	.....
Vinton.....		1,505	1,458	1,547	1,445	1,571	1,165	1,470	6	1,249	1,481	2	
Warren.....		1,487	1,621	1,499	1,316	1,875	3,583	1,835	.....	3,356	1,770	16
Washington.....		3,898	1,983	3,917	3,351	3,419	3,360	2,971	7	3,691	3,529	116	
Wayne.....		4,049	3,814	4,363	3,708	3,655	3,047	3,585	18	3,393	2,419	12	
Williams.....		3,457	3,691	3,816	3,202	1,580	1,612	1,514	11	1,965	1,766	23	
Wood.....		2,164	1,802	2,280	1,933	23	2,077	1,300	.....	2,192	1,610	12
Wyandot.....		2,793	1,984	2,957	2,352	1,596	1,211	1,650	9	1,580	1,915	9	
		1,623	2,151	1,734	1,561	2,069	.....	.....	.....	.....	.....	.....
Totals.....		267,065	249,682	250,223	235,081	227,580	679	221,709	205,015	2,863	238,273	218,105	4,084

OHIO STATE ELECTIONS—1871.

COUNTIES.	Governor.			Lieutenant-Governor.		
	Edward F. Noyes.	George W. McCook.	Gideon T. Stewart.	Jacob Mueller.	Samuel F. Hunt.	P. M. Weddell.
Adams	1,895	2,202	....	1,891	2,205	....
Allen	1,708	2,180	....	1,706	2,179	....
Ashland	1,883	2,177	40	1,861	2,176	64
Ashtabula	4,221	1,164	191	4,169	1,162	219
Athens	2,505	1,540	66	2,497	1,540	71
Auglaize	804	2,070	....	806	2,073	....
Belmont	3,899	3,681	38	3,846	3,693	51
Brown	2,053	2,771	34	2,046	2,773	35
Butler	2,618	4,232	52	2,616	4,235	53
Carroll	1,588	1,218	....	1,591	1,215	....
Champaign	2,646	1,859	21	2,634	1,861	23
Clarke	3,173	2,020	65	3,129	2,020	79
Clermont	3,324	3,468	4	3,322	3,467	1
Clinton	2,546	1,387	39	2,535	1,384	39
Columbiana	3,800	2,468	73	3,793	2,463	76
Coshocton	1,962	2,505	36	1,928	2,513	49
Crawford	1,690	2,948	26	1,694	2,946	24
Cuyahoga	11,287	5,320	387	11,121	5,292	416
Darke	2,500	3,169	28	2,494	3,169	32
Defiance	835	1,547	63	827	1,547	67
Delaware	2,610	2,072	217	2,551	2,068	239
Erie	2,231	1,555	38	2,236	1,537	29
Fairfield	2,185	3,622	25	2,176	3,630	27
Fayette	1,860	1,378	3	1,861	1,378	3
Franklin	4,649	6,163	227	4,586	6,115	266
Fulton	1,645	991	46	1,645	990	47
Gallia	2,472	1,493	66	2,422	1,506	94
Geauga	2,213	492	7	2,208	....	6
Greene	3,000	1,482	27	2,994	1,479	27
Guernsey	2,417	1,831	25	2,407	1,835	29
Hamilton	17,843	16,297	14	17,554	16,596	11
Hancock	2,218	2,401	....	2,219	2,399	....
Hardin	2,057	2,028	21	2,044	2,034	25
Harrison	2,212	1,637	15	2,209	1,644	14
Henry	779	1,243	4	796	1,227	4
Highland	2,992	2,868	14	2,966	2,870	20
Hocking	1,046	1,715	40	1,001	1,717	61
Holmes	977	2,395	1	962	2,393	1
Huron	3,289	2,070	140	3,274	2,049	143
Jackson	1,928	1,768	6	1,929	1,767	7
Jefferson	3,075	2,111	....	3,137	2,031	....
Knox	2,767	2,820	13	2,770	2,826	13
Lake	2,320	668	53	2,312	667	56
Lawrence	2,421	1,504	90	2,396	1,511	95
Licking	3,115	4,298	12	3,112	4,291	13
Logan	2,289	1,654	12	2,266	1,646	17
Lorain	3,826	1,561	24	3,820	1,559	24

ABSTRACT OF VOTES—1871—Continued.

COUNTIES.	Attorney-General.			Member of the Board of Public Works.		
	Francis B. Pond.	Edward S. Wallace.	J. W. Stinchcomb.	Stephen R. Hosmer.	Arthur Hughes.	L. B. Silver.
Marion	1,307	1,680	....	1,307	1,681	2
Medina	2,276	1,427	3	2,276	1,426	4
Meigs	2,957	1,881	69	2,956	1,881	70
Mercer	847	2,023	....	847	2,023	....
Miami	3,249	2,562	75	3,246	2,563	75
Monroe	881	2,646	20	881	2,646	20
Montgomery	5,665	6,314	132	5,663	6,313	140
Morgan	2,161	1,741	181	2,133	1,747	191
Morrow	1,933	1,522	39	1,935	1,521	35
Muskingum	4,338	4,541	30	4,354	4,519	30
Noble	1,864	1,727	....	1,905	1,727	....
Ottawa	923	1,428	27	922	1,428	27
Paulding	794	729	15	794	729	15
Perry	1,364	1,829	1	1,365	1,828	1
Pickaway	2,121	2,770	38	2,120	2,772	38
Pike	1,210	1,623	....	1,211	1,620	....
Portage	2,968	2,142	48	2,968	2,142	48
Preble	2,349	1,767	54	2,335	1,766	56
Putnam	947	1,869	4	947	1,869	4
Richland	2,982	3,431	58	2,981	3,431	58
Ross	3,480	3,758	10	3,467	3,769	10
Sandusky	2,020	2,613	37	2,019	2,615	37
Scioto	2,585	2,306	60	2,584	2,304	60
Seneca	2,604	3,205	45	2,606	3,205	44
Shelby	1,452	2,197	2	1,452	2,197	2
Stark	5,217	5,106	65	5,218	5,108	62
Summit	3,128	2,313	172	3,129	2,313	170
Trumbull	4,342	1,767	122	4,342	1,768	121
Tuscarawas	2,703	3,216	6	2,701	3,219	5
Union	2,040	1,323	12	2,041	1,323	12
Van Wert	1,648	1,657	....	1,648	1,656	....
Vinton	1,247	1,485	2	1,249	1,487	2
Warren	3,357	1,764	21	3,356	1,765	21
Washington	3,698	3,534	116	3,681	3,532	123
Wayne	3,387	3,424	11	3,388	3,424	11
Williams	1,966	1,769	29	1,967	1,769	28
Wood	2,194	1,610	12	2,192	1,610	11
Wyandot	1,580	1,508	9	1,577	1,910	8
Totals	237,940	218,076	4,119	238,057	218,011	4,194

* In Cuyahoga county 100 votes were cast for Francis R. Pond; and in Delaware county 139 votes for cast for Francis B. Bond for Attorney-General.

ABSTRACT OF VOTES—1871—Continued.

COUNTIES.	Judge of the Supreme Court.			Clerk of the Supreme Court.		
	William H. West.	George W. Geddes.	Samuel E. Adams.	Rodney Foos.	Charles Patterson.	Arza Alderman.
Adams	1,891	2,207	....	1,894	2,205	....
Allen	2,704	2,184	....	1,709	2,180	....
Ashland	1,871	2,178	44	1,879	2,177	44
Ashtabula	4,215	1,163	193	4,217	1,162	194
Athens	2,511	1,537	67	2,510	1,535	69
Anglaize	806	2,075	....	806	2,074	....
Belmont	3,882	3,697	38	3,887	3,708	38
Brown	2,046	2,777	35	2,047	2,777	35
Butler	2,615	4,240	52	2,617	4,237	52
Carroll	1,590	1,216	....	1,591	1,215	....
Champaign	2,633	1,865	20	2,644	1,864	21
Clarke	3,162	2,022	71	3,154	2,022	72
Clermont	3,325	3,462	1	3,332	3,465	1
Clinton	2,547	1,384	39	2,536	1,380	39
Columbiana	3,798	2,462	73	3,799	2,460	75
Coshocton	1,954	2,512	37	1,957	2,511	37
Crawford	1,688	2,949	24	1,695	2,948	24
Cuyahoga	11,269	5,311	362	11,269	5,311	366
Darke	2,485	3,170	31	2,497	3,167	31
Defiance	827	1,551	63	829	1,551	65
Delaware	2,590	2,083	215	2,609	2,070	222
Erie	2,211	1,573	35	2,231	1,552	36
Fairfield	2,179	3,629	27	2,181	3,627	27
Fayette	1,867	1,378	4	1,868	1,374	4
Franklin	4,627	6,139	234	4,588	6,162	236
Fulton	1,645	992	47	1,646	991	47
Gallia	2,464	1,505	67	2,464	1,505	66
Geauga	2,216	493	7	2,218	493	6
Greene	2,999	1,475	27	2,999	1,478	27
Guernsey	2,412	1,835	26	2,412	1,834	25
Hamilton	17,848	16,285	11	17,856	16,272	11
Hancock	2,219	2,402	....	2,220	2,401	....
Hardin	2,056	2,035	21	2,056	2,035	21
Harrison	2,211	1,643	15	2,207	1,647	14
Henry	781	1,242	4	780	1,243	4
Highland	2,992	2,867	16	2,997	2,866	16
Hocking	1,042	1,714	42	1,042	1,716	42
Holmes	968	2,398	1	969	2,394	1
Huron	3,277	2,079	138	3,235	2,073	136
Jackson	1,926	1,770	7	1,926	1,774	7
Jefferson	3,165	2,022	....	3,164	2,021	....
Knox	2,767	2,832	11	2,769	2,797	11
Lake	2,319	667	53	2,317	667	53
Lawrence	2,420	1,509	87	2,419	1,506	87
Licking	3,106	4,296	12	3,118	4,294	12
Logan	2,275	1,621	10	2,288	1,643	13
Lorain	3,819	1,567	24	3,825	1,561	24
Lucas	4,170	3,032	100	4,169	3,027	102
Madison	1,794	1,636	3	1,791	1,638	3
Mahoning	3,085	2,600	166	3,087	2,598	167

ABSTRACT OF VOTES—1871—Continued.

COUNTIES.	State Commissioner of Common Schools.			Constitutional Convention.
	Thomas W. Harvey.	William W. Ross.	Solomon Howard.	Yes.
Marion	1,307	1,880	2	2,497
Medina	2,275	1,430	3	166
Meigs	2,959	1,880	70	3,799
Mercer	847	2,024	....	2,027
Miami	3,248	2,560	75	4,837
Monroe	880	2,645	20	673
Montgomery	5,671	6,312	133	6,856
Morgan	2,144	1,754	190	2,177
Morrow	1,938	1,521	37	1,810
Muskingum	4,337	4,554	30	5,660
Noble	1,912	1,727	....	2,115
Ottawa	924	1,427	27	1,556
Paulding	794	729	15	816
Perry	1,366	1,827	1	2,277
Pickaway	2,122	2,769	40	1,558
Pike	1,209	1,620	....	1,840
Portage	2,968	2,139	48	3,187
Preble	2,250	1,766	51	1,648
Putnam	947	1,868	4	968
Richland	2,984	3,428	58	2,163
Ross	3,475	3,768	10	2,885
Sandusky	1,893	2,731	34	4,221
Scioto	2,583	2,307	60	4,309
Seneca	2,616	3,201	37	4,203
Shelby	1,452	2,197	2	3,247
Stark	5,217	5,101	65	6,146
Summit	3,123	2,313	167	2,262
Trumbull	4,341	1,768	122	3,208
Tuscarawas	2,705	3,214	6	4,492
Union	2,043	1,321	13	2,263
Van Wert	1,649	1,656	....	2,707
Vinton	1,249	1,486	2	1,689
Warren	3,354	1,764	21	3,762
Washington	3,687	3,534	120	3,340
Wayne	3,391	3,419	11	3,010
Williams	1,967	1,768	28	2,463
Wood	2,192	1,612	12	2,397
Wyandot	1,577	1,911	9	2,009
Totals	238,094	217,958	4,144	267,618

*In Delaware county 45 votes were cast for W. D. Ross for Commissioner of Common Schools.

Erratum : Page 11, name of Erastus A. Guthrie, Judge Third Sub-division Seventh District, P. O. address, Athens, omitted.

STATISTICAL REPORT

OF THE

SECRETARY OF STATE,

TO THE

GENERAL ASSEMBLY OF THE STATE OF OHIO,

FOR THE YEAR 1871.

OFFICE OF THE SECRETARY OF STATE,
COLUMBUS, O., December 6, 1871.

To His Excellency, RUTHERFORD B. HAYES, Governor :

I have the honor to present, through you, to the General Assembly of Ohio, my third annual report as Commissioner of Statistics. The report is imperfect in many particulars, but as complete as I can make it under our present loose system of laws for collecting statistics.

Respectfully submitted,

ISAAC R. SHERWOOD,
Secretary of State.

STATISTICAL REPORT

OF THE

SECRETARY OF STATE.

To the General Assembly of Ohio :

GENTLEMEN—Previous to the law of April 17, 1868, the duties of Commissioner of Statistics were performed by an officer appointed by the Governor, selected with special reference to his fitness for the position. Since that time a statistical bureau has been established in the office of Secretary of State, with the Secretary *ex officio* Commissioner. This has imposed upon an officer selected and elected to perform certain well defined, clerical and executive offices, a vast amount of difficult labor, for which he receives no adequate compensation, and which, were he even competent to perform, the General Assembly has failed to provide sufficient clerical assistance. The fifty-ninth General Assembly treated the statistical bureau as a part of the rubbish of the State government. •Even the meagre estimate for clerk hire was regarded as unnecessary by the chairman of the finance committee of the Senate. I was informed that, judging by the amount of information contained in the report, that one clerk, a couple of months, would be amply able to prepare such a document. A very large minority, however, of the members of the last General Assembly manifested a lively interest in the support of this bureau, and I am flattered to believe that the sixtieth General Assembly will contain a majority of members in favor of a more comprehensive statistical system.

A STATISTICAL BUREAU RECOMMENDED.

I trust the constitutional convention, soon to assemble in Ohio, will make the office of Commissioner of Statistics a constitutional office. He should be appointed by the Governor, or other competent authority, with special reference to his ability and education for the position. An officer like the Secretary of State, selected by a political convention, acting with reference to his ability to perform certain well defined legal offices, is not likely to be the best person for Commissioner of Statistics. Trusting to

the wisdom of the constitutional convention to give the Commissioner of Statistics of Ohio a place in the constitution, with an independent basis, and a wider scope of usefulness than he can possibly attain under our present system, I deem it prudent economy to occupy no space in this report with recommendations to the sixtieth General Assembly. Our present imperfect system has attracted considerable attention from our sister States, and the time is not far distant, if the General Government does not establish a National Bureau of Statistics, when every State in the Union will feel the need of a statistical system for purposes of legislation. Without statistics, there can be no political economy. The present Congress is engaged in legislation vitally affecting agriculture, commerce and manufactures; yet there is not a State in the Union able to show, through its representatives, either its hidden or developed resources, or where its dominant interest in the present or future is lodged. Ohio is the greatest agricultural State in the Union, and, with the exception of Missouri, has the best reserve force of mineral wealth. Not far from our geographical center (near the north line of Highland county) is the center of population of the entire Union. Our agricultural resources, mineral wealth, commercial facilities, healthful climate, central location, and accessible markets, make it certain that, at no distant day, we shall hold within our borders not only the largest population, but the greatest aggregate wealth of any State in the Union. In my present, as in my previous reports, I have aimed to exhibit Ohio in every branch of industry, but have failed in securing accurate manufacturing statistics. I had hoped that statistics of this class, reported under the ninth Federal census, would be accessible by this date, (Dec. 9,) but these statistics are not yet compiled in the Census Bureau at Washington. The manufacturing, mining, social and miscellaneous statistics, collected under the act of May 7, 1869, are entirely unsatisfactory and unreliable, and the returns this year, so far as reported, are more incomplete than those of 1870. At this date, but seventy-one counties have made their reports to the Auditor of State, and I am unable to give the aggregate on any article of manufacture.

THE IMPORTANCE OF OHIO AS A STATE.

The Geological Survey, when completed, will give us an adequate idea of the value of our minerals, and the strength and adaptability of our soils to the production of the cereals. The Federal Census—although imperfectly taken—will give us, besides analyses of population, a fair exhibit of our developed manufacturing and agricultural wealth. The criminal, social and commercial statistics, already furnished through this office, are reasonably satisfactory; and when the compilation of the

Federal Census is completed, we shall have, from these enumerated sources, material for the compilation of a valuable statistical report.

NEW FEATURES OF THIS REPORT.

The present report contains, in addition to the statistics usually furnished under the laws of Ohio, the following important items:

The internal revenue taxes collected in Ohio during the year 1871, by Congressional Districts.

A consolidated table of meteorological observations, extending back forty-seven years, including all important points in Ohio where observations have been taken.

An analysis of the population of Ohio, as ascertained by the last Federal Census, including a list of male citizens over 21 years.

The assessed valuation of all real and personal property in Ohio, by counties; taxation of all kinds not national, as ascertained by the last Federal Census.

Agricultural statistics of Ohio, as ascertained by the last Federal Census.

The valuation, by counties, of real and personal property, as ascertained by the State Board of Equalization, for 1870.

List of Ohio inventors, statistics of railroads, colleges, public and private charities, and common schools.

THANKS FOR FAVORS.

I desire, on behalf of the State, to return thanks to General Walker, Superintendent of the Census, and Colonel Harrington, Acting Superintendent, for their kindness in furnishing information, and for advance sheets of agricultural and social statistics.

To Prof. Henry, of the Smithsonian Institute, Washington, and his Chief Clerk, W. J. Rhees, Esq., for meteorological observations, etc.

To Col. J. R. Dodge, of the Department of Agriculture, Washington, D. C., for estimates of grain and wool crops in other States than Ohio.

To Prof. Orton, of the Geological Survey, for a valuable contribution on the "Exhaustion of Soils."

To Hon. J. A. Warder, President of the Ohio Horticultural Society, for observations on the fruit crop of 1871.

To Col. J. D. Taylor, of the Internal Revenue Department, for statistics of taxes in Ohio.

To Hon. Edward Young, Chief of the Bureau of Statistics, Washington, D. C., for statistics of immigration.

To Gen. M. D. Leggett, Commissioner of Patents, Washington, D. C., for list of Ohio patentees.

HORTICULTURE.

THE FRUIT CROP OF 1871.

The prospect for a fine yield was very flattering at the period of blossoming, but the occurrence of a severe freeze sadly damaged the opening buds, the blossoms and the young fruit.

APPLES.—In the northern part of the State it was not the bearing year, as many of the orchards had borne too heavily in 1870. In the south, the reverse was the case, and where trees were situated above the frost line they bore very abundantly. From some causes, which we have no State Entomologist to explain to us, the depredations of insects, that for years have ruined our fruits, were this year very much diminished, so that our apples are remarkably fine, smooth and perfect—and in bearing orchards the crop was beautiful. The supply, however, is not equal to the demand and the price of good winter apples runs high. The great surplus of fall apples, and their transitory character, reduced the prices to the lowest paying figures, and thousands of bushels were fed to hogs or pressed for the manufacture of vinegar.

PEARS are more and more becoming a recognized article of diet, and of regular supply in our markets. This delicious fruit is so much improved that those who only know the old fashioned *choke-pears* can hardly realize the admirable qualities of the improved varieties. The supply, however, is not much in advance of the rather limited demand, and a few large orchards near most of our leading markets would soon reduce the prices below the paying standard, as estimated by the amateur cultivators, who expect from three to four dollars a bushel for the product of their trees. At such rates the pear crop will pay a very good interest on the investment, provided we could have a guarantee against the ravages of the terrible malady called the blight, which annually destroys a large percentage of the trees, after they come to a bearing age.

QUINCES.—The crop of this fruit, which is only used for preserving, was small, on account of the frost and the twig-blight, and yet the prices did not exceed two dollars a box, and the supply was beyond the demand at one dollar.

PEACHES were not abundant in any part of the State. A few varieties were fine and brought good prices, but the general crop was of inferior quality and the fruit sold for quite as much as it was worth. The productive orchards were limited to favored parts of the State, and the crop was not, by any means, a general one.

SMALL FRUITS are now so universally cultivated that the supply usually keeps pace with the enormous demand, which is stimulated by the wide extent of railway transportation, for all such products.

GRAPES.—This fruit was never more abundant; even in regions where its culture has been attended with failure for many years, on account of disease, the crop of the past year has usually been enormous. The price in the grape regions has been reduced to two and three cents a pound, which does not pay for selection and marketing, and has required a cheaper kind of package for transportation than the neat little boxes heretofore employed.

The finest Catawbias from the lake shore have been very dull in Cincinnati at five cents a pound wholesale, and quantities have spoiled before they found a market.

These reduced prices are very desirable for the consumers, but the high prices paid for lands that are especially adapted for the culture of the grape and other choice fruits, with the outlay necessary to establish and carry on a fruit farm, the high taxes, high wages, and especially the high tariff for transportation and commissions, leave little for the producer, to whom the vaunted profits of fruit-growing have grown small by degrees and not beautifully, but most unsatisfactorily less.

GRAPES AND WINE.

The following statistics, compiled from the returns made by the assessors to the county auditors, show the culture and crop of the grape in 1870:

Acres planted	804
Acres in vineyard.....	10,890
Pounds of grapes gathered.....	15,853,719
Gallons of wine pressed.....	2,577,907

The following table shows the grape crop for the last six years:

Year.	Acres planted.	Acres in vineyard.	Pounds of grapes gathered.	Gallons of wine pressed.
1865.....	1,308	5,666	2,487,607	237,008
1866.....	2,975	7,162	1,469,467	153,159
1867.....	3,100	7,304	5,526,227	290,929
1868.....	2,357	7,574	2,937,737	143,767
1869.....	1,276	10,477	3,794,899	155,535
1870.....	804	10,890	15,853,719	2,577,907

The grape crop reported for 1870, was nearly equal in number of pounds to the entire crops gathered in the five previous years, and the wine

pressed was more than two and a half times greater than the total number of gallons reported since the year 1864. Erie county ranked first in the production of grapes in 1870, producing 7,347,638 pounds, nearly one half of the crop gathered in the State. Ottawa, Lorain, Cuyahoga, Lake, Lucas, Fairfield, Ashtabula, Vinton and Tuscarawas ranked in the order named, and produced 7,131,105 pounds. Adding this to the amount gathered in Erie county we have 14,478,743 pounds in the ten counties named—about 91 per cent. of the total crop.

ORCHARDS.

The number of acres in orchards and the number of bushels of apples, peaches and pears in the State in 1870, were reported as follows:

Acres in orchards.....	377,297
Bushels of apples produced.....	11,012,582
" peaches ".....	309,639
" pears ".....	67,047

Comparing with 1869 we have an increase of 30,469 acres in orchards, a decrease of 4,506,103 bushels of apples, 1,134,884 bushels of peaches, and 79,975 bushels of pears.

The following table shows the acres in orchards and crop reported, for the years 1868, 1869 and 1870:

	1868.	1869.	1870.
Acres in orchards.....	342,212	346,826	377,297
Bushels apples produced.....	11,637,515	15,518,685	11,012,582
" peaches ".....	599,499	1,444,523	309,639
" pears ".....	66,712	147,022	67,047

The ten counties producing the largest number of bushels of apples in 1870 are as follows:

Stark.....	500,800	Lorain.....	342,581
Portage.....	440,384	Wayne.....	337,309
Ashtabula.....	418,835	Richland.....	335,305
Summit.....	368,037	Cuyahoga.....	333,026
Columbiana.....	361,121	Geauga.....	315,114

These counties, yielding more than one-third of the crop reported, are located in the northern part of the State, as were also the ten counties producing the greatest number of bushels of apples in 1868, while in 1869 ten counties in central and southern Ohio yielded the largest number.

The twelve counties producing the greatest number of bushels of peaches in 1870, are given below :

Clermont	26,987	Columbiana	7,292
Lake	11,798	Huron	6,381
Erie	11,736	Fairfield	6,355
Muskingum	8,745	Lorain	6,347
Ashtabula	8,574	Ross	6,255
Sandusky	8,220	Adams	6,162

These counties show about one-third of the crop reported.

The largest yield of pears in 1870, was in the following counties :

Montgomery	6,009	Clermont	2,241
Hamilton	4,351	Darke	2,090
Warren	3,115	Miami	1,975
Preble	3,009	Greene	1,835
Muskingum	2,347	Clarke	1,841

AGRICULTURE.

It was not anticipated, even when the Commissioner of Statistics, was an officer selected by the Governor, that he would make a specialty of Agriculture. Since the office has been shifted to the Secretary of State, but little can be expected by way of suggestion or advice, in this vital branch of productive industry. It is only attempted in this Report to use such facts as can be gleaned from all sources of information, and present them in as clear and condensed a manner as possible. As was stated in my last Report, "what I know about farming" is not considered of sufficient value to require any elaboration. Neither time, nor opportunity has been furnished the Secretary to wander abroad upon the face of nature, scent the apple blossoms, note the waving grain, ornithologically watch the soaring meadow-hen, or delve the earth in search of fossils, and the mastodons of a pre-historic age. Fortunately for the State, this labor of delight and love is left to classic hands. In the Agricultural Report, and the agronomical department of the Geological Survey, will be found a more complete agricultural exhibit of Ohio, than is possible to furnish in a statistical report of this character.

The system of averages per acre by counties of the wheat and corn crops of Ohio, inaugurated in this office in 1869, is still continued. The preparation and comparison of these tables involve a vast amount of labor. The credit of the system is due Capt. A. T. Wikoff, chief clerk in this office.

The tables exhibiting the agricultural resources of other States, as compared with Ohio, were consolidated from information obtained from the National Bureau of Agriculture, at Washington.

THE GRAIN CROPS.

The returns made by township assessors to the county auditors show the grain crops for 1870, as follows :

Corn.....	88,565,299
Oats.....	24,819,908
Wheat.....	18,726,341
Barley.....	1,502,007
Rye.....	331,196
Buckwheat.....	287,643

Total bushels	134,232,394
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This shows an increase over the aggregate grain crops of 1869, of 18,105,616 bushels, being an increase in corn, oats and buckwheat, and a decrease in wheat, barley and rye, as given in the following table :

	Bushels in 1869.	Bushels in 1870.	Increase in bushels.	Decrease in bushels.
Corn	62,443,346	88,565,299	26,121,953	.....
Wheat	26,499,729	18,726,341	.....	7,773,388
Oats	24,417,799	24,819,908	402,109	.....
Barley	1,689,416	1,502,007	.....	187,409
Rye	852,722	331,196	.....	521,526
Buckwheat.....	223,766	287,643	63,877	.....
Totals.....	116,126,778	134,232,394	26,587,939	8,482,323

The analysis of the agriculture of the State for the last twelve years, is as follows :

WHEAT FOR 1870.

Acres sown.....	1,658,661
Bushels produced.....	18,726,341
Average per acre.....	11.29

This is a decrease in the number of acres sown in 1869 of 65,037 acres, and a decrease of 26,391 acres, as compared with the average for the last twelve years, which is 1,685,052 ; also, an increase of 809,763 bushels, as compared with the average for the twelve previous years. The average bushels per acre for that time is 10.68, showing an increase in 1870 of .72 bushels per acre over that average.

The following are the wheat crops from 1858 to 1870, inclusive:

	Acres.	Bushels.	Average.
1858	1,695,412	17,655,483	10.04
1859	1,780,543	13,347,967	7.03
1860	1,844,667	23,640,356	13.00
1861	1,934,002	20,055,424	10.50
1862	2,401,535	29,916,518	12.00
1863	1,811,278	20,452,410	11.50
1864	1,665,495	15,541,385	9.33
1865	1,451,720	13,234,139	9.00
1866	1,295,530	5,824,747	4.50
1867	1,159,964	13,350,736	11.51
1868	1,456,734	16,480,059	11.31
1869	1,723,748	26,499,729	15.37
1870	1,658,661	18,726,341	11.29

The following table shows fifteen counties raising the largest amount of wheat in 1870:

	Acres.	Bushels.	Average.
Montgomery	40,489	554,927	13.68
Miami	36,787	517,586	14.06
Stark	36,438	505,240	13.86
Seneca	39,744	494,032	12.43
Butler	35,075	442,537	12.61
Darke	42,920	441,220	10.28
Wayne	34,801	441,126	12.67
Greene	32,012	424,493	13.26
Fairfield	32,865	399,633	12.16
Clarke	27,918	382,699	13.70
Tuscarawas	29,915	379,940	12.69
Preble	39,003	379,495	9.72
Champaign	30,705	358,445	11.67
Ross	28,383	344,628	12.14
Pickaway	25,090	333,291	13.28
Totals	512,145	6,398,592	12.49

The average bushels per acre in these counties, shown by the above table, was 12.49, being 1.20 bushels above the average per acre, for the entire State.

In my reports for the years 1869 and 1870, I gave three tables and a map, showing the State in three districts—Northern, Central and Southern—and giving the amount of wheat raised in each county of the respective districts, with the average bushels produced per acre. I have decided to pursue the same plan this year.

Table showing the Northern District, of thirty-three Counties. (See Map No. 1.)

COUNTIES	1869.			1870.		
	Acres.	Bushels.	Average.	Acres.	Bushels.	Av'ge.
Allen.....	19,062	310,221	16.27	19,204	175,619	9.14
Ashland.....	23,811	448,590	18.83	21,470	213,925	9.96
Ashtabula.....	10,950	191,720	17.50	9,212	92,126	10.00
Crawford.....	24,188	463,816	19.17	21,742	254,945	11.72
Cuyahoga.....	5,041	81,413	16.15	4,280	51,708	12.08
Defiance.....	17,106	235,104	13.74	15,093	153,349	10.16
Erie.....	9,844	203,436	20.67	9,655	160,459	16.61
Fulton.....	15,398	234,482	15.23	16,422	228,180	13.88
Geauga.....	3,797	65,398	17.22	3,428	34,935	10.19
Hancock.....	23,123	486,470	16.14	28,592	321,094	11.23
Hardin.....	18,469	241,388	13.07	13,837	119,032	8.60
Henry.....	11,273	159,269	14.13	11,747	158,352	13.48
Huron.....	24,740	524,520	21.20	20,455	221,790	10.84
Lake.....	4,032	71,283	17.68	4,024	58,875	14.63
Lorain.....	9,415	166,510	17.68	7,822	98,386	11.30
Lucas.....	7,299	116,929	16.02	7,829	117,207	14.96
Mahoning.....	10,380	170,657	16.44	9,509	95,450	10.03
Marion.....	16,098	288,961	17.95	14,674	165,007	11.24
Medina.....	10,810	191,933	17.75	9,780	104,756	10.71
Ottawa.....	5,404	85,114	15.75	5,151	68,364	13.27
Paulding.....	4,470	60,781	13.60	4,486	44,233	9.86
Portage.....	11,615	201,904	17.38	9,587	108,324	11.29
Putnam.....	14,224	213,540	15.02	14,169	141,730	10.00
Richland.....	30,899	578,857	18.73	27,448	305,739	11.13
Sandusky.....	22,897	393,059	17.16	23,644	317,144	13.41
Seneca.....	44,274	867,792	19.60	39,744	494,032	12.43
Stark.....	39,350	723,521	18.41	36,438	505,240	13.86
Summit.....	18,382	351,185	19.10	17,335	248,250	14.33
Trumbull.....	6,768	116,035	17.16	6,672	92,759	13.90
Wayne.....	36,036	669,510	18.56	34,801	441,126	12.35
Williams.....	21,138	273,860	12.96	18,880	235,707	12.43
Wood.....	13,161	234,806	17.84	15,809	219,156	13.86
Wyandot.....	21,368	386,833	18.10	17,546	250,773	14.86
Totals.....	561,822	9,808,397	17.45	520,485	6,297,772	12.09

Table showing the Central District of thirty-three Counties. (See Map No. 1.)

COUNTIES.	1869.			1870.		
	Acres.	Bushels.	Average.	Acres.	Bushels.	Av'ge.
Auglaize	16,918	267,799	15.83	17,239	178,473	10.33
Belmont	21,485	295,612	13.75	21,667	265,749	12.25
Carroll	14,705	201,877	13.73	14,649	148,959	10.16
Champaign	35,712	689,612	19.31	30,705	358,445	11.67
Clarke	30,571	565,537	18.50	27,918	382,699	13.70
Columbiana	16,530	246,833	14.93	15,651	194,525	12.42
Coshocton	23,882	324,864	14.01	24,429	279,764	11.45
Darke	44,914	752,623	16.80	42,920	441,220	10.28
Delaware	14,692	242,596	16.51	12,444	157,897	12.68
Fairfield	36,417	535,386	14.70	32,865	399,633	12.15
Fayette	11,103	156,154	14.06	10,104	120,680	11.94
Franklin	25,275	409,259	16.19	22,547	266,555	11.82
Greene	34,270	486,378	14.19	32,012	424,493	13.26
Guernsey	15,780	160,769	10.18	14,806	142,065	9.59
Harrison	11,183	174,351	17.38	17,754	137,120	7.72
Holmes	20,913	327,058	15.64	21,327	274,866	12.88
Jefferson	14,427	208,937	14.48	13,204	165,729	12.55
Knox	21,113	337,762	15.99	22,836	255,945	11.20
Licking	14,792	171,453	11.59	25,270	317,951	12.58
Logan	29,833	535,328	17.94	26,683	280,859	10.52
Madison	4,913	69,189	14.08	5,084	67,640	13.30
Mercer	21,895	324,393	14.82	21,566	130,234	6.03
Miami	38,332	757,617	19.79	36,787	517,586	14.06
Montgomery	44,221	954,565	21.59	40,489	554,227	13.68
Morrow	11,841	213,626	18.04	11,398	118,535	10.39
Muskingum	25,569	313,382	12.25	25,681	281,626	10.96
Perry	16,716	187,677	11.23	16,970	180,722	10.64
Pickaway	25,769	380,951	14.71	25,090	333,291	13.28
Preble	41,991	661,388	15.99	39,003	379,495	9.74
Shelby	24,546	446,979	19.02	22,363	217,635	9.73
Tuscarawas	29,134	505,018	17.33	29,915	379,940	12.70
Union	13,980	205,611	14.79	12,821	99,072	7.72
Van Wert	10,044	141,064	14.06	10,907	86,035	7.88
Totals	763,741	12,271,468	17.38	745,102	8,540,656	11.46

Table showing the Southern District of Twenty-two Counties. (See Map No. 1.)

COUNTIES.	1869.			1870.		
	Acres.	Bushels.	Av'age.	Acres.	Bushels.	Av'age.
Adams	20,824	186,728	8.96	20,247	157,217	7.76
Athens	12,562	96,679	7.69	14,916	139,470	9.35
Brown	19,856	178,947	9.02	23,906	205,480	8.59
Butler	40,517	646,054	15.94	35,075	442,537	12.61
Clermont	18,358	179,889	9.26	16,654	153,166	9.19
Clinton	23,037	337,039	14.63	21,783	237,745	10.91
Gallia	21,627	185,055	8.56	22,135	171,079	7.72
Hamilton	8,111	114,957	14.17	7,185	94,607	13.16
Highland	36,636	387,058	10.56	36,468	332,425	9.11
Hocking	14,060	129,913	9.25	13,912	134,110	9.63
Jackson	12,689	85,586	6.74	12,177	86,780	7.12
Lawrence	12,530	124,621	9.94	11,341	94,221	8.30
Meigs	14,485	131,606	9.11	14,412	149,615	10.38
Monroe	13,680	145,846	10.60	13,888	116,545	8.39
Morgan	15,255	175,565	11.85	16,517	185,701	11.24
Noble	15,741	169,219	10.75	14,782	145,621	9.85
Pike	8,087	62,803	7.77	8,722	73,714	8.45
Ross	29,009	344,125	11.86	28,383	344,628	12.14
Scioto	9,062	85,814	9.44	8,633	70,541	8.17
Vinton	6,054	44,182	6.30	6,772	59,064	8.69
Warren	26,804	407,842	15.22	24,266	284,033	11.70
Washington	19,466	199,833	10.27	20,897	209,613	10.03
Totals	398,450	4,418,863	11.09	393,071	3,887,912	9.88

The foregoing tables of Districts show a decrease in 1870, on the average number of bushels per acre in 1869, as follows: In the Northern District, 5.36 bushels; in the Central District, 5.92 bushels; and in the Southern District, 1.21 bushels.

The following table shows the average per acre of the wheat crops in each of the three Districts, from 1857 to 1870, inclusive:

Years.	Northern District.	Central District.	Southern District.
1857	15.34	12.54	14.70
1858	13.09	10.16	8.67
1859	7.31	6.56	8.84
1860	15.13	13.63	9.50
1861	11.72	10.37	8.80
1862	14.49	15.14	12.50
1863	12.22	10.87	10.82
1864	8.83	10.23	8.56
1865	10.27	9.50	7.29
1866	6.78	4.44	2.32
1867	12.27	11.73	9.80
1868	14.40	10.94	8.41
1869	17.45	17.38	11.09
1870	12.09	11.46	9.88



MAP No. 1.

Showing the State in three Districts, and the average per acre of the Wheat crop in each District, for the year 1870: North District, 12.09 per acre; Center District, 11.46 bushels per acre, South District, 9.88 bushels per acre. For the average per acre in these Districts since 1857 see page 14.



CORN.

The corn crop in 1870, was as follows:

Acres planted.....	2,360,189
Bushels produced	88,565,299
Average bushels per acre	37.52

This crop is the largest raised since 1860, and is an increase of 26,122,053 bushels on the crop of 1869, and an increase of 9.16 bushels on the average per acre for that year. It is also an increase of 21,641,909 bushels on the average yearly production for the previous twenty years, and an increase of 4.96 bushels on the average per acre for that time.

The following table gives the corn crops produced each year since 1850:

Years.	Acres.	Bushels.	Average.
1850	1,537,947	56,619,608	36.8
1851	1,664,227	61,171,282	36.7
1852	1,730,188	58,165,517	33.6
1853	1,836,493	73,436,090	40.0
1854	1,972,337	52,171,551	26.0
1855	2,205,282	87,587,434	39.7
1856	2,084,892	57,802,515	27.7
1857	2,254,424	82,555,186	36.6
1858	1,834,138	50,863,582	27.7
1859	2,431,312	68,730,846	29.5
1860	2,397,639	91,588,704	38.0
1861	2,266,129	74,858,878	33.0
1862	2,120,544	62,764,887	30.0
1863	2,027,811	54,614,617	27.0
1864	1,938,616	54,053,491	27.0
1865	1,932,305	68,053,608	35.0
1866	2,248,993	80,386,320	36.5
1867	2,183,790	63,875,064	29.84
1868	2,232,301	76,725,288	34.37
1869	2,201,357	62,443,346	28.36
1870	2,360,189	88,565,299	37.52

Twenty counties producing the greatest number of bushels of corn in 1870, are as follows:

Counties.	Acres.	Bushels.	Average.	Counties.	Acres.	Bushels.	Average.
Pickaway	77,890	2,764,013	35.48	Highland	53,161	1,862,861	35.04
Ross	70,965	2,644,308	37.26	Fairfield	47,857	1,739,346	36.34
Clinton	50,451	2,410,529	46.85	Preble	39,366	1,698,174	43.13
Butler	53,312	2,371,784	44.48	Montgomery..	40,819	1,625,331	39.81
Fayette	52,487	2,289,416	43.67	Darke	43,914	1,490,539	33.94
Licking	50,800	2,134,946	42.02	Miami	38,920	1,425,128	36.61
Warren	48,119	2,126,748	44.19	Champaign..	36,557	1,397,423	38.22
Franklin	62,325	2,051,100	32.90	Clarke	34,505	1,323,275	38.35
Greene	51,448	2,012,994	39.12	Knox	34,280	1,321,737	38.55
Madison	47,192	1,865,340	39.52	Hancock	33,487	1,308,076	39.06

The tables following show the amount of corn produced per acres in the years 1868, 1869 and 1870, in the Maumee, Miami, Scioto, Hocking and Muskingum valleys, the Western Reserve and Ohio river counties, not in any of the valleys named above, as follows. Map No. 2 shows the groups of counties, as enumerated, at a glance:

MAUMEE VALLEY.

Counties.	Bushels per acre, 1868.	Bushels per acre, 1869.	Bushels per acre, 1870.
Lucas	45.14	26.72	57.35
Wyandot	36.71	12.55	37.16
Hancock	33.31	18.34	39.06
Crawford	33.32	20.65	40.49
Sandusky	32.12	16.62	43.18
Wood	32.05	12.97	43.09
Ottawa	31.94	22.40	47.37
Defiance	30.90	15.33	36.61
Henry	29.48	14.13	40.10
Fulton	29.16	21.56	52.58
Allen	29.09	17.10	40.89
Mercer	28.86	16.81	36.01
Williams	27.74	19.57	37.71
Putnam	26.44	21.63	38.40
Paulding	26.07	13.19	41.74
Seneca	24.22	21.68	30.59
Van Wert	23.21	10.84	40.23
Auglaize	18.02	18.87	35.49

General average of the Maumee Valley: 1868, 30.22 bushels; 1869, 17.57 bushels; 1870, 39.65 bushels.

MIAMI VALLEY.

Counties.	Bushels per acre, 1868.	Bushels per acre, 1869.	Bushels per acre, 1870.
Montgomery	43.98	27.60	39.81
Warren	40.72	32.15	44.19
Butler	40.82	30.64	44.48
Hamilton	40.15	33.79	35.84
Clinton	39.39	32.05	46.85
Champaign	39.11	34.93	38.22
Greene	38.42	32.49	39.12
Miami	38.14	34.36	36.61
Clarke	37.55	37.36	38.35
Darke	37.16	26.26	33.94
Preble	36.89	25.56	43.13
Logan	34.84	29.66	37.03
Clermont	31.20	21.31	28.68
Shelby	27.02	23.31	27.00

General average of the Miami Valley: 1868, 38.12 bushels; 1869, 30.07 bushels; 1870, 38.92 bushels.



MAP No. 2.



SCIOTO VALLEY.

Counties.	Bushels per acre, 1868.	Bushels per acre, 1869.	Bushels per acre, 1870.
Delaware	40.75	29.44	37.60
Pickaway	38.11	33.48	35.48
Franklin	37.73	26.12	32.90
Ross	37.60	35.32	37.26
Madison	36.76	27.75	39.52
Marion	35.35	21.13	34.59
Highland	34.48	20.69	35.04
Union	34.37	25.05	39.77
Morrow	33.16	27.47	36.83
Fayette	32.91	29.94	43.61
Hardin	32.60	14.93	37.44
Pike	27.05	27.54	31.75
Jackson	26.67	21.52	26.19
Scioto	20.88	32.44	31.74

General average of the Scioto Valley: 1868, 34.62 bushels; 1869, 27.86 bushels; 1870, 36.16 bushels.

HOCKING VALLEY.

Counties.	Bushels per acre, 1868.	Bushels per acre, 1869.	Bushels per acre, 1870.
Fairfield	42.32	37.11	36.34
Athens	38.14	38.53	30.80
Perry	35.37	32.38	30.95
Hocking	33.93	17.94	28.90
Meigs	33.21	26.67	27.29
Vinton	29.39	25.75	27.11
Gallia	28.64	28.51	23.63
Lawrence	26.91	27.05	25.20

General average of the Hocking Valley: 1868, 34.98 bushels; 1869, 29.96 bushels; 1870, 30.04 bushels.

MUSKINGUM VALLEY.

Counties.	Bushels per acre, 1868.	Bushels per acre, 1869.	Bushels per acre, 1870.
Licking	41.17	37.83	44.02
Stark	39.56	34.24	51.88
Guernsey	38.42	32.86	33.47
Morgan	37.49	32.40	33.89
Wayne	35.44	30.31	40.30
Muskingum	35.12	34.67	37.27
Harrison	34.31	39.39	40.10
Ashland	33.89	27.42	35.91
Noble	33.63	35.22	38.39
Knox	33.47	34.28	38.55
Coahocton	31.48	33.62	28.26
Washington	31.02	26.71	30.12
Tuscarawas	30.92	35.38	36.39
Carroll	30.09	32.90	34.91
Richland	27.64	26.00	25.19
Holmes	27.35	27.68	32.37

General average of the Muskingum Valley: 1868, 33.69 bushels; 1869, 32.78 bushels; 1870, 37.59 bushels.

WESTERN RESERVE.

Counties.	Bushels per acre, 1868.	Bushels per acre, 1869.	Bushels per acre, 1870.
Lake.....	66.65	34.44	38.46
Trumbull.....	50.66	34.56	45.97
Summit.....	47.96	39.44	55.86
Ashtabula.....	47.86	31.84	49.95
Mahoning.....	40.25	28.55	47.62
Portage.....	37.76	37.97	48.01
Medina.....	36.77	32.48	48.82
Lorain.....	35.80	32.75	38.62
Cuyahoga.....	33.74	38.66	45.59
Geauga.....	31.15	28.06	38.52
Erie.....	30.16	29.12	37.13
Huron.....	25.65	26.33	41.28

General average of the Western Reserve: 1868, 37.89 bushels; 1869, 32.24 bushels; 1870, 44.60 bushels.

OHIO RIVER COUNTIES.

Counties.	Bushels per acre, 1868.	Bushels per acre, 1869.	Bushels per acre, 1870.
Belmont.....	34.90	42.44	40.10
Columbiana.....	33.84	30.88	37.32
Brown.....	29.64	20.65	29.25
Jefferson.....	29.61	41.52	39.17
Adams.....	26.85	21.77	28.06
Monroe.....	25.85	29.14	32.28

General average of the Ohio River Counties: 1868, 29.78 bushels; 1869, 29.25 bushels; 1870, 33.16 bushels.

The following table shows the average number of bushels of corn per acre in the foregoing districts, respectively, in the years 1868, 1869 and 1870:

Districts.	Bushels per acre, 1868.	Bushels per acre, 1869.	Bushels per acre, 1870.
Miami Valley.....	38.12	30.07	38.92
Western Reserve.....	37.89	32.24	44.60
Hocking Valley.....	34.98	29.96	30.04
Scioto Valley.....	34.62	27.86	36.16
Muskingum Valley.....	33.69	38.88	37.59
Maumee Valley.....	32.22	17.58	39.65
Ohio River Counties.....	29.98	29.25	33.16

OATS.

The oat crop in the year 1870, was as follows :

Acres sown	927,160 $\frac{1}{2}$
Bushels produced	24,819,908 $\frac{1}{2}$
Average bushels per acre.....	26.76

This is the largest crop of oats raised since the year 1860, and the largest, with the exception of the crops in the years 1857 and 1860, ever produced in the State.

The oat crops from 1860 to 1870, inclusive, were as follows :

Year.	Acres.	Bushels.	Average per acre.
1860	830,104	25,127,724	30
1861	728,722	17,798,794	24
1862	574,820	11,802,470	20
1863	548,019	11,317,561	20
1864	606,738	14,579,295	24
1865	690,740	17,586,664	25
1866	770,206	21,856,564	28
1867	766,607	18,534,222	24
1868	798,573	19,058,852	23
1869	836,564	24,417,799	29.18
1870	927,160	24,819,908	26.88

The following table gives the amount produced, and the average bushels per acre, of the seventeen counties producing the greatest number of bushels of oats in the year 1870 :

Counties.	Acres.	Bushels.	Average.
Wayne.....	22,724	728,907	32.07
Richland.....	21,411	665,878	31.09
Stark.....	19,599	624,207	31.84
Huron.....	19,022	606,041	31.85
Seneca.....	20,035	604,688	30.18
Tuscarawas.....	21,116	597,225	28.28
Wyandot.....	12,138	596,736	49.16
Columbiana.....	18,223	502,351	27.56
*Ashtabula.....	5,576	492,007	88.23
Crawford.....	14,679	477,409	32.52
Ashland.....	15,460	476,561	30.82
Sandusky.....	13,367	465,716	34.84
Holmes.....	16,165	451,703	27.94
Medina.....	13,349	438,163	32.82
Cuyahoga.....	12,947	435,206	33.61
Trumbull.....	13,003	419,867	31.52
Carroll.....	16,203	402,691	24.85
Totals.....	275,017	8,985,356	32.67

The above counties produced more than one-third of the entire amount of oats raised in the State in 1870.

* As returned by County Auditor, but evidently an error in the number of acres.

BARLEY.

The crop raised in 1870, was as follows:

Acres sown	78,976
Bushels produced.....	1,502,007
Average bushels per acre.....	19

The statistics of this crop for the last four years are shown in the following table:

	1867.	1868.	1869.	1870.
Acres sown.....	84,131	40,021	72,647	78,976
Bushels produced.....	1,604,176	815,788½	1,689,416	1,502,007
Average per acre.....	19.	20.38	23.19	19.

The barley crops, since 1860, have been as follows:

	Bushels.	Average per acre.		Bushels.	Average per acre.
1860.....	1,548,477	21.	1866.....	1,353,955	14.
1861.....	1,255,049	21.	1867.....	1,604,179	19.
1862.....	1,222,041	22.	1868.....	815,788	20.38
1863.....	1,329,251	18.	1869.....	1,689,416	23.18
1864.....	2,337,213	21.25	1870.....	1,502,007	19.
1865.....	2,419,900	17.			

The average bushels per acre in 1870 is the same as the average for the ten previous years.

RYE.

The crop produced in 1870 was as follows:

Number of acres sown	35,101
Number of bushels produced	331,196
Average bushels per acre.....	9.43

The following table shows a comparison of this crop with that of 1869:

	1869.	1870.	Decrease.
Acres sown.....	76,438	35,101	41,337
Bushels produced	852,722	331,196	521,526
Average bushels per acre	11.20	9.43	1.77

The rye crops are given below from 1860 to 1870, inclusive :

Year.	Acres.	Bushels.	Average per acre.
1860	94,394	1,078,764	11.40
1861	69,374	779,829	11.22
1862	57,381	823,291	14.34
1863	32,257	305,939	9.43
1864	48,561	503,316	10.30
1865	87,289	910,518	10.43
1866	77,947	622,333	7.98
1867	108,609	1,025,291	9.44
1868	87,899	815,666	9.30
1869	76,436	852,722	11.28
1870	35,101	331,196	9.43

BUCKWHEAT.

The crop of buckwheat produced in 1870 was as follows :

Number of acres sown	24,426
Number of bushels produced	287,643
Average bushels per acre	11.77

Comparing with 1869, this crop shows the following results :

Decrease in acres sown	4,522
Increase in bushels produced	63,877
Increase in average bushels per acre	4.05

The annual production of buckwheat, for a series of years, is given below :

Year.	Acres sown.	Bushels produced.	Average per acre.
1858	71,282	791,921	11.11
1859	149,445	3,042,176	20.22
1860	66,827	763,939	11.43
1861	51,389	696,623	13.55
1862	20,907	179,135	8.56
1864	71,045	965,679	13.58
1865	33,625	831,985	24.74
1866	103,982	1,292,415	12.42
1867	57,873	590,245	10.19
1868	51,232	562,256	10.97
1869	28,948	223,766	7.70
1870	24,426	287,643	11.77

POTATOES.

The production of potatoes in 1870 was as follows :

Number of acres planted	87,787
Number of bushels produced	6,121,590
Average bushels per acre	69.73

A comparison of this crop with that of 1869, is given in the following table :

	1869.	1870.	Decrease in 1870.
Acres planted	118,862	87,787	31,075
Bushels produced.....	10,274,605	6,121,590	4,153,015
Average per acre	86.44	69.73	16.71

This crop is 6.97 bushels per acre below the average for the ten previous years.

The potato crops from 1860 to 1870, inclusive, were as follows :

Year.	Acres.	Bushels.	Average per acre.
1860	96,254	9,365,386	98.
1861	80,949	6,556,901	80.
1862	75,367	5,189,327	70.
1863	80,785	5,297,498	66.
1864	81,972	6,811,055	83.
1865	70,515	4,827,354	66.
1866	94,226	6,725,577	71.
1867	87,149	5,744,530	65.
1868	103,287	7,449,247	72.
1869	118,862	10,274,605	86.44
1870	87,787	6,121,590	69.73
Totals.....	977,153	74,343,070	76.08

COMPARATIVE AGGREGATE OF GRAIN CROPS.

The following table shows the acreage of grain crops in the last six reported years.

Crops.	Acres in 1865.	Acres in 1866.	Acres in 1867.	Acres in 1868.	Acres in 1869.	Acres in 1870.
Wheat	1,451,720	1,295,530	1,159,964	1,456,734	1,723,748	1,658,661
Corn	1,932,345	2,248,993	2,183,790	2,232,301	2,201,357	2,360,189
Rye	87,289	77,947	108,609	87,899	76,436	35,101
Barley	139,050	94,675	84,134	40,021	72,847	78,976
Oats	690,740	770,206	766,607	798,573	836,564	923,260
Buckwheat	33,625	103,982	57,873	51,232	28,948	24,426
Potatoes.....	70,515	94,226	87,149	103,287	118,862	87,787
Acres in grain	4,405,284	4,635,559	4,448,126	4,770,047	5,058,762	5,168,400

The acres sown in 1870 exceeded the average acreage for the five previous years by the sum of 504,845, and is 109,638 in excess of the acres sown in 1869.

The following table shows the number of bushels produced in each of the last six years :

Crops.	1865. Bushels.	1866. Bushels.	1867. Bushels.	1868. Bushels.	1869. Bushels.	1870. Bushels.
Wheat	13,234,189	5,824,747	13,350,725	16,480,069	26,499,729	18,726,341
Corn	68,053,688	80,386,320	63,875,064	76,725,288	62,443,346	88,565,299
Oats	17,586,664	21,856,564	18,534,222	19,058,852	24,417,799	24,819,908
Barley	2,419,900	1,353,955	1,604,179	815,788	1,689,416	1,502,007
Rye	910,518	622,333	1,025,291	815,666	852,722	331,196
Buckwheat	381,985	1,292,415	590,245	562,257	223,766	287,643
Potatoes	4,827,354	6,725,577	5,744,530	7,449,247	10,274,605	6,121,590
Totals	107,414,278	118,061,911	104,724,257	121,907,156	126,401,382	140,354,984

The aggregate of the breadstuffs in 1870 shows an increase of 13,401,602 bushels over the aggregate for 1869, and an increase of 24,978,475 bushels over the average aggregate for the last ten years.

MEADOW.

The hay crop of 1870, was as follows :

Acres in hay	1,390,522
Tons of hay produced	1,554,622
Average tons per acre	1.11

Compared with the crop of 1869, we have the following :

Decrease in acres	98,059
Decrease in tons of hay produced	230,325
Decrease in average tons per acre .....	.08

The crops produced each year, from 1858 to 1870 inclusive, are as follows :

Years.	Acres.	Tons.	Av. tons per acre.
1858	1,357,874	1,806,461	1.33
1859	1,340,672	1,366,055	1.02
1860	1,538,563	2,027,160	1.33
1861	1,461,418	1,708,201	1.16
1862	1,570,252	2,067,280	1.32
1863	1,195,560	1,095,489	.90
1864	1,252,471	1,204,921	.95
1865	1,420,191	1,852,303	1.32
1866	1,410,081	1,839,504	1.30
1867	1,586,704	1,993,405	1.25
1868	1,532,342	1,743,537	1.13
1869	1,488,581	1,784,947	1.19
1870	1,390,522	1,554,622	1.11
Totals	18,545,231	22,045,885	1.18

The following counties produced more than 40,000 tons of hay each in 1870:

Trumbull	53,726	Ashtabula.....	53,294
Cuyahoga.....	42,508	Logan	41,562

FLAX.

The culture of flax in 1870, resulted as follows:

Number of acres sown	61,204
Bushels of seed produced	449,378
Pounds of fibre produced	16,864,128

Compared with the year 1869, we have the following:

Decrease in acres sown	27,869
Decrease in bushels of seed produced.....	161,668
Decrease in pounds of fibre produced.....	1,859,249

The results of the culture of flax, from 1862 to 1870, are given in the following table:

Years.	Acres.	Bushels of seed.	Pounds of fibre.
1862	52,546	392,076	2,738,238
1863	95,170	624,224	3,582,170
1864	65,421	415,266	1,910,710
1865	47,710	245,661	3,146,892
1866	56,727	462,463	6,037,884
1867	98,811	742,307	10,523,876
1868	97,820	620,092	12,032,392
1869	89,073	611,046	18,723,377
1870	61,204	449,378	16,864,378

CLOVER AND SEED.

The statistics of clover and its seed for 1870, are given below:

Acres sown	340,440
Tons of hay produced.....	401,389
Bushels of seed produced.....	367,069
Acres plowed under for manure.....	34,692

The following table shows the comparison of this crop for seven years:

Years.	Acres sown.	Tons of hay produced.	Bushels of seed produced.	Acres plowed under.
1864	346,457	269,070	105,837	27,398
1865	390,931	359,856	217,391	13,675
1866	251,941	159,670	62,200	30,199
1867	313,520	286,837	147,846	26,881
1868	314,896	254,895	47,635	32,689
1869	401,629	360,268	98,570	36,648
1870	340,440	401,389	367,069	34,692

TOBACCO.

The tobacco crop in 1870 was as follows :

Acres planted.....	20,484
Pounds produced.....	21,056,729
Average pounds per acre	1,027

Compared with the crop of 1869, we have the following :

Increase in acres planted	233
Increase in pounds produced.....	5,113,613
Increase in average pounds per acre.....	240

This crop shows an increase of 534 acres, an increase of 4,971,048 pounds, and an increase of 217 pounds on the average per acre over the average for the five previous years.

The following table shows the tobacco crops from 1865 to 1870, inclusive :

Year.	Acres planted.	Pounds produced.	Average pounds per acre.
1865	22,398	14,107,823	650
1866	23,281	22,188,693	970
1867	15,788	10,790,575	683
1868	18,035	17,398,198	964
1869	20,251	15,943,116	787
1870	20,484	21,056,729	1,027

BUTTER AND CHEESE.

The products of the dairy in 1870 were as follows :

Pounds of butter.....	43,020,554
Pounds of cheese	31,381,038

Comparing with 1869, the following results are obtained :

Increase in pounds of butter.....	4,236,947
“ “ cheese.....	10,860,870

The comparative products of butter and cheese from 1860 to 1870, inclusive, were as follows :

Year.	Pounds of butter.	Pounds of cheese.
1860.....	38,440,498	24,816,420
1861.....	35,442,858	20,637,235
1862.....	34,065,629	20,752,097
1863.....	31,121,275	19,130,750
1864.....	31,141,876	18,097,095
1865.....	32,450,139	16,947,905
1866.....	36,344,608	22,197,929
1867.....	34,833,445	19,985,486
1868.....	37,005,378	17,814,599
1869.....	38,783,607	20,520,168
1870.....	43,020,554	31,381,038
Average.....	35,695,442	21,116,429

The above comparisons show that there were 4,236,947 pounds more butter made, and 10,860,870 pounds more cheese manufactured in the State in 1870, than in 1869, and 8,957,623 pounds more butter, and 11,291,052 pounds more cheese in 1870, than the average for the ten previous years.

SORGHUM.

The products of the sorghum crop in 1870 were reported as follows :

Acres planted.....	23,450
Pounds of sugar produced.....	21,988
Gallons of molasses produced.....	2,187,673
Average gallons per acre.....	93

The products of sorghum for the last nine years have been as follows :

Years.	Pounds sugar.	Gallons molasses.
1862.....	27,216	2,700,071
1863.....	27,359	2,347,578
1864.....	29,542	2,655,332
1865.....	67,068	3,963,751
1866.....	55,147	4,696,089
1867.....	17,804	1,255,266
1868.....	28,668	2,004,055
1869.....	30,353	1,777,100
1870.....	23,450	2,187,673

Sorghum is not cultivated very extensively in the northern counties of the State, because it is liable to injury from early frosts.

MAPLE SUGAR.

The manufacture of maple sugar and syrup in 1870 was as follows :

Pounds of maple sugar.....	2,204,325
Gallons of syrup.....	256,133

Comparing with 1869, we have a decrease of 1,098,389 pounds of sugar, and a decrease of 142,130 gallons of molasses.

The following is the aggregate maple sugar and syrup crop for the past nine years :

Years.	Pounds sugar.	Gallons syrup.
1862.....	8,254,187	538,019
1863.....	6,753,048	444,606.
1864.....	5,210,187	278,347
1865.....	5,660,002	408,416
1866.....	5,657,440	393,764
1867.....	2,733,330	338,752
1868.....	3,570,932	311,191
1869.....	3,302,714	398,263
1870.....	2,204,325	256,133

SWEET POTATOES.

The sweet potato crop in 1870 was as follows :

Number of acres planted.....	2,350
Number of bushels produced	264,199
Average bushels per acre.....	112

Comparing this crop with that of 1869, it will be seen that there was an increase of 636 in the number of acres planted, an increase of 144,453 in the number of bushels produced, and an increase of 43 bushels on the average per acre.

PASTURAGE.

The fifth return, showing land used for pasturage, gives the following for the year 1870 :

Number of acres in pasture.....	4,165,018
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an increase of 176,101 acres over 1869.

UNCULTIVATED LANDS.

The number of acres of uncultivated land in Ohio in 1870 was 5,738,009, an increase of 116,836 acres over the previous year.

EXHAUSTION OF SOILS—LETTER FROM PROF. EDWARD
ORTON, OF ANTIOCH COLLEGE.

Gen. I. R. SHERWOOD, *Secretary of State* :

DEAR SIR:—You invite contributions to your Annual Report, from members of the State Geological Corps, that shall touch upon the progress of the survey during the last year—its relation to the general interests of the State, or its bearing upon the development of our mineral resources.

My own time has been devoted for the last year, as heretofore, to an extended examination of the geological structure of South-western Ohio. Its great limestone formations, which have principally occupied my time, are surprisingly rich in geological interest; and though by no means destitute of economic values, still it must be acknowledged that their supplies of lime, cement and building stone, seem of but small account, when compared with the coal seams and ore beds of the district on which they border—lying east of the Scioto. There is, however, one source of wealth in South-western Ohio, which though not generally classed among its geological formations, indisputably belongs in this category, and the products of which, may safely challenge comparison with those of any other geological horizon of the State—whether the horizon of salt springs or oil wells—of iron ore or block coal. I refer to the *soil* of South-western Ohio, and I deem it proper to call attention through your Report, to certain points connected with it, which have seemed to me worthy of general consideration.

A fertile soil is in many points of view the most valuable and desirable geological formation that a country can contain. Such a soil gives to the regions that possess it, some signal advantages over those whose value lies in any of the forms of mineral wealth. The state of society that it renders possible, is safer and more in harmony with republican institutions than any other. There is a greater diffusion of wealth and comfort in a productive agricultural region, than is generally possible in a mining district. The investments required for working land, are but moderate in amount, as compared with those that are required in mining operations, so that in an agricultural community, a much larger number reap the advantages, in character and fortune, of carrying on business for themselves. In a mineral district, though large fortunes are possible to the few, the majority of the population remains permanently poor. The pursuit of agriculture is counted unsuccessful in America, if the second generation does not attain to comfort and independence, even though the first generation came bare-handed upon the soil.

The durability of a good soil, is another of its striking and peculiar advantages. The richest mineral veins find at last their limit—coal seams run out, oil crevices are exhausted, and silence and decay follow in the footsteps of the most successful industry. But where a fertile soil comes under the control of intelligent husbandry, its tribute is rendered perennially. Generation after generation is enriched by the rewards which it returns to industry and skill. The soil of China has been under cultivation longer than almost any other portion of the globe, and yet it renders, to-day, after thousands of

years of service, more affluent supplies for human need, than when it was first brought under the hand of man. Every wise system of agriculture must regard its work as perpetual, and any system that does not so regard it, is not only unwise but culpable. As the soil is the main foundation of the wealth of communities and States, whatever wastes or reduces its fertility trenches upon the vitality of the State. To hand down an exhausted soil, to those who come after us, is a crime for which posterity will not hold the authors guiltless.

There are no topics, indeed, that concern the material interest of the country more directly than those which relate to the amelioration of its soils, and the preservation of their original fertility. It is to questions of this character, in their relations to South-western Ohio, that attention is now directed.

There is no question that this portion of the State, may be said to have originally possessed a fruitful soil. Its wide alluvial valleys were early recognized as among the richest and most desirable lands of the newly opened West, and neither subsequent discovery nor purchase, has made us acquainted with anything to change this estimate. The valleys of South-western Ohio, are pronounced by Hon. Luther Tucker, of New York, an eminent authority, in matters pertaining to agriculture, to be as desirable lands for general farming, as any in the United States, or indeed in the world. The upland soils occur in great variety; but almost all come under the general appellation of clay soils. Some of them are fully equal in excellence, to the choicest bottom lands, while others owing principally to unfavorable physical conditions, pass by slow degrees, and for limited areas into swampy and comparatively barren tracts. Between these extremes, all varieties and degrees of excellence occur.

If, now, the question should be asked—Have these soils been so treated since their present occupation began, as to increase or to maintain their fertility?—the answer that we are obliged to make is as unwelcome as it is unequivocal. The truth is, that the agriculture of South-western Ohio is in an unpromising condition, and suggests grave questions to every one who seriously considers it. It is not to be understood, however, that there is any thing exceptionally bad in the system of tillage pursued in this section of the State. The system that is here in force is the same that is impoverishing the soil of the country at large, and the only peculiarity is, that in a limited district, and one of great original fertility, the process and rate of exhaustion can be more readily marked.

While the signs of progressive deterioration are to be found in all varieties of soil in the district under consideration, it is still true that they are much more obvious in the thinner and less tractable soils of the uplands than elsewhere. The most evident proof of this deterioration is found in the lessening average of production of the two main grain crops of the country, viz: wheat and corn. In fact, the business of farming, when confined to raising of the ordinary staples, has ceased to be remunerative in quite wide districts of Southern Ohio. It may be considered certain that farming has ceased to be profitable wherever the average production does not exceed 10 bushels of wheat, or 25 bushels of corn, to the acre. But the agricultural statistics of the State make the average production of most of the south-western counties less than the figures here given. That the average production of wheat is less than 10 bushels to the acre, is certainly true for wide areas of upland within the limits referred to.

Another indication of this deterioration is to be seen in the growing uncertainty of the harvests—in the frequent recurrence of failures, more or less complete, in the raising of ordinary crops. It is the fashion to refer these failures mainly to climatic changes, which the clearing of the country has induced, and there can be no question but that

this element is to be regarded in the explanation; but a weightier element will certainly be found in a worn and depleted soil, upon which all unfavorable climatic agencies act with intensified powers of mischief.

The dilapidation of farm buildings and equipments, that is to be marked in some districts, must also be referred to this same deterioration of soil as its cause. The comfortable dwellings and ample barns that a more profitable agriculture raised, the present shrunken income does not serve to keep in repair.

Ample harvests are still gathered, it is true, from the best lands of this region, and especially from the alluvial plains of the river valleys; but, it must be remembered, that the means of tillage are far in advance of what they were forty or fifty years ago. The farmers of the Miami Valley are free to confess that they would no longer be paid for their labor if they were obliged to depend upon the kinds of tillage that made their fathers rich.

The largest cornfield of South-western Ohio is the tract that lies at the mouth of the Great Miami river. Well informed farmers, who have planted it for more than forty consecutive years, declare that the average yield has fallen within this time from 75 bushels per acre to less than 40 bushels per acre.

Evidences of premature exhaustion, then, are to be found in all the soils of this region that have been under cultivation for two generations. The shrinkage in the yield of the older farms is masked, to a certain degree, by the fact that a larger acreage in the country is tilled each year, so that the aggregate of production is increased—and also from the fact that the very free communication existing between all sections of the country brings to each market whatever products are demanded, even though they traverse half of the breadth of the continent.

The cause of this deterioration and incipient exhaustion is not far to seek. It lies in the system of farming to which these lands have been subjected from the date of their occupation—a system which was, naturally enough, adopted in the outset, and which worked, without apparent disadvantage, for a score of years, and sometimes even for twice that time—but which long ago passed the limit within which it can be safely tolerated, and the maintenance of which is certain to inflict irreparable loss upon the country. System of farming, it is called out of courtesy—but it is rather a habit than a system—a practice entered upon and persisted in, without justification from the experience of mankind and in open violation of the plain dictates of sound reason. Let us glance at the facts and principles involved.

A square foot of virgin soil covers a certain amount of agricultural possibilities—that is, there is material in it and beneath it for a certain amount and certain kind of plant growth. Chemical analysis would show its composition to be, if a rich sandy loam, for instance, something like this:

Sand	75.00
Clay	5.00
Organic matter	10.00
Lime, Magnesia and Iron	8.00
	<hr/>
	98.00

The remaining two per cent. will be found to consist of the alkaline basis, potash and soda, of sulphuric acid and phosphoric acid. It is thus seen that the substances composing the soil exist in very dissimilar proportions. They also subserve very different purposes. The sand, clay and vegetable matter, which constitutes the great bulk of the soil give to it its physical properties and adaptations, and furnish foothold to the grow-

ing plant. The organic matter also contributes to the growth of the vegetable fabric. The sand and clay, however, have no such function, and remain in their original proportions after any number of crops have been taken away from the soil. It is very different, however, with the substances named last in the tables of analysis. Potash and soda, sulphur and phosphorus, constitute an integral portion of vegetable tissues, and are thus seen to be essential elements of plant-food. The plant can complete its growth only as it finds these substances in the soil, and only as it abstracts them from the soil. The very life of the soil depends, then, upon the presence and suitable diffusion of these elements. What we call a rich soil is one in which these substances are present and available; and a sterile soil is one in which they are absent or are locked up in such chemical combinations as to render them inaccessible to the plant.

Beneath the square foot of surface which we are considering, and within the limits to which the roots of plants can penetrate, there is a definite quantity of these elements. Their proportions and their absolute weight, to the cubic foot of soil, can be readily determined by chemical analysis. There is no transmutation of elements possible by which this quantity can be increased by natural agencies. Sand cannot be converted into potash or bone-dust, any more than iron can be changed into gold. If the soil represented by this square foot of surface is left in a state of nature, it will suffer change but not exhaustion. It will be traversed by the roots of the plants that grow upon it, and these roots will select the various mineral substances that the plant requires for its growth, and will transfer them from their hiding places below, to stem and leaf, to flower and fruit. When now the plant dies, all its substance, both vegetable and mineral, will be returned to the soil to take part in the growth of succeeding vegetation. The soil thus makes a steady gain of organic matter, while a more and more available supply of mineral food is accumulated, without trenching upon its resources in the slightest degree.

But whenever artificial cultivation is introduced, the balance is at once broken. In the first place, all of the crops that agriculture values, are rich in mineral constituents to a much greater degree than the spontaneous productions of the soil. It is on this very account, in part, that they have come to be valued. Bread is the staff of life, by reason of its containing bone-dust in notable quantity, as really as because it holds in its starch and gluten the substance of the softer tissues of the animal frame. In the second place, these growths are abstracted from the soil. The ripened plant no longer returns directly to the earth again, but stem, and leaf, and seed are alike removed from the soil which produced them, and carried far or near in obedience to man's necessities. And here a draught upon the resources of the land begins, which some soils are strong enough to endure for a score of years, or, perhaps, even for a century, but which tells upon the lighter uplands almost immediately, and which cannot be continued anywhere without disastrous results. We speak of soils of inexhaustible fertility, but the term, in any wide application, is a misnomer. There are two sorts of soil in this portion of the State to which such a designation may, perhaps, be truly applied, viz.: to those portions of river valleys that are annually covered with back-water, and which receive compensation in this way for the loss that they suffer in annual production; and to the still more limited districts, where the rocks lie so shallow that they are constantly disintegrating under atmospheric agencies and passing into native soil. A few thousand acres, however, will comprise all the soils of these classes in South-western Ohio. To call any other soils inexhaustible, because they contain great natural resources, is as absurd as to call a bank account inexhaustible because it is large.

The truth is, an equation lies at the very basis of all really and permanently successful agriculture, no matter in what portion of the world it is practiced. This equation can be stated in the following form :

The mineral substances returned to the soil in fertilizers equal the mineral substances abstracted from the soil by the crop in kind—proportion and amount.

Every system of agriculture is wise and safe in proportion as it approximates in its practice to this equation—and every system that disregards it tends, in proportion as it disregards it, to exhaustion and poverty. The improvement of the land by deep plowing, by sub-soiling, by under-draining, and by all other mechanical means, is greatly to be commended, and a wise system of agriculture will certainly avail itself of them, but it is possible to use them all, only to render the final exhaustion of a country more complete. In fact, this is their natural and necessary result, unless, in conjunction with their use, heed is given to the fundamental equation of agriculture.

There is also a great deal of misplaced confidence in regard to the improvement and preservation of the soil through the agency of clover. This becomes apparent, when it is remembered that clover adds no mineral matter whatever to the soil. Its office, in part, is to gather from the soil and sub-soil the mineral food already existing there, and to render it available for shallower rooted plants. For this purpose, and for others of equal importance, it is invaluable, and will never be dispensed with by a wise system of agriculture. But it is idle to depend upon its use alone for preserving the fertility of the land, while any form of cropping goes on. The direct result of its unaided use is to make the exhaustion more complete. It brings up from the sub-soil the mineral elements indispensable to the growth of the crop, when these elements have been exhausted from the surface soil. In other words, it opens a soil below the present one, new and unexhausted, and gives thus a new lease of life to the same system of spoliation which has already robbed the surface, in great degree, of its power to minister to the necessities of man.

That a system of agriculture based upon this fundamental law is possible there is no reason to doubt, for such a system has been in successful operation in China and Japan for a thousand years at least. It must be admitted, however, that very great practical difficulties stand in the way of its general adoption in this country. But an important step in advance will be taken when the existence of such a principle is recognized, and when an honest attempt is made to follow it as closely as possible in our dealings with the soil.

The farming of south-western Ohio would be immeasurably improved by a careful and thorough use of the fertilizers now easily within reach. Most prominent among them is stable manure or the excrements of the live stock of the farm. The very general failure to appreciate its importance and value can be seen from such facts as the following :

1. A large proportion of the barn-yards of the country—in some districts as many as seven out of ten—are traversed or drained by water-courses in such a way that all of the wash of the yards is entirely lost to the land. The object of this arrangement is to provide a convenient supply of stock-water or to keep the yards dry.
2. The straw of the grain crops, instead of being turned to proper account in the barn-yard, is often burned in the heaps in which it was left after threshing.
3. The highways are often used as feeding grounds for stock, and especially for fattening swine, and thus all the value to be derived from the feeding of thousands of bushels of corn is wantonly lost to the land.
4. A large item in the present farming of several counties adjacent to Cincinnati is the production of hay for the city market. The only possible compensation for so heavy

a drain upon a farm as the selling of a hay crop involves would be a generous return of fertilizers, so easy to be secured in a great city; but the hay wagons, without exception, return empty to the farms which they are despoiling.

Another of the fertilizers within easy reach, and in very considerable quantity, is wood-ashes. Containing, as they do, the mineral matter that was sufficient for a forest growth, they furnish these substances to vegetation again in the most easily appropriated form. The towns and villages that still depend on wood for fuel could furnish to the adjacent country thousands of bushels of this invaluable fertilizer, if only the demand were made. Even after the ashes have subserved the purposes of the soap-factory, by giving up their pot-ash and soda, they still contain the phosphates, the sulphates and the lime—substances pre-eminently serviceable to agriculture. The farmers of Connecticut and Long Island find it to their interest to buy leached ashes at 25 cents per bushel.

In Springfield and its immediate vicinity at least 10,000 cords of wood are burned annually in the manufacture of its famous lime. Very large quantities of wood are also used at Yellow Springs, at Cedarville, and elsewhere, for similar purposes. All the ashes derived from this source, mingled with lime-waste, have always been accessible to the farmers of these regions, and could generally be had for the hauling; but it is of the rarest occurrence to find them applied in any way to the land. They are used to fill up waste ground, to make into road-beds, or are carted to the streams; but not one bushel in a thousand has ever found its way to the only proper destination—the soil.

If there is one substance more than another that deserves to be considered the fine gold of the soil, it is the phosphate of lime that it contains. It exists in the soil in minute proportions, frequently constituting not more than 1-1000 part, and seldom exceeding 1-200 part, of its weight. It is absolutely indispensable to the growth of our most valued crops, and doubtless the loss of fertility in soils depends more upon the abstraction of this substance than of any other. Its ultimate office is to supply the material from which the bones of animals are composed. The demand, therefore, for this substance by all cultivated lands must be immense and imperative. No fertilizer could be more grateful to the soil, and none would show more immediate and satisfactory results. But, though thousands of tons of bones are annually available in south-western Ohio, there is not a single establishment in this portion of the State for their preparation.

But, after all, the great and fatal drain upon the vitality of our soils remains to be mentioned. It is found in our privy vaults, and in our systems of town and city sewerage. So long as the present mode of dealing with these subjects remains in force, so long the country must suffer a steady and rapid exhaustion, no matter how thorough and complete all the instruments and appliances of our farming may be. The great equation of agriculture is more wantonly violated here than in any other direction, and with more ruinous results. This whole question is quite as worthy the attention of our political economists and legislators as that of tariffs or taxes, or any other which occupies their time, for it concerns the perpetuity of our national patrimony itself.

It remains but to repeat, that in selecting Southwestern Ohio for the subject of such a discussion, no invidious distinction is intended, for the system that is here in force is the system of the country at large. If the farming of this region is in any respects more exhaustive and wasteful than that of other districts, it is because it originally possessed a more fruitful soil and could thus endure a severer strain. American agriculture has generally shown itself thus far as thriftless and poor as the nature of the soil would allow.

Though the country has already suffered an irremedial loss from the reckless mismanagement of its soil, the greatest source of its wealth, enough remains to make it still the most valuable heritage of the nations of the world. Its agricultural capabilities, if wisely husbanded even now, will suffice for an unlimited career. Motives of patriotism and self-interest combine to urge us to begin the work of putting American agriculture on a true and rational basis.

I have the honor to remain

Very truly yours,

EDWARD ORTON,

Asst State Geologist.

YELLOW SPRINGS, O.,
Dec. 9th, 1871.

LIVE STOCK.

The live stock statistics usually printed in this report, are consolidated from the returns of township assessors. Owing to the fact that these estimates are made for the purposes of taxation, it is probable that the cash value is much above the amount returned. This year I have secured this class of statistics from two other sources, for the purpose of instituting comparisons. I have the live stock statistics for Ohio as reported under the Federal census of June, 1870, and the same class of statistics for Ohio, and all the States, as returned by the National Commissioner of Agriculture. The live stock statistics returned for my report, are based upon estimates made by township assessors in April, 1871. The estimates of the Federal census takers were made in June of the previous year. The estimates in the report of the National Commissioner of Agriculture are for February, 1871. I find, upon examination, a wide variance in these statistics. For instance, in my report the number of live stock, horses, mules, cattle, sheep and hogs, is returned at 8,847,082; valued at \$101,491,769. The number of live stock reported by the census is 8,719,607, valued at \$120,300,528, a less number by 127,475, yet an increase in valuation by \$18,808,759. The National Commissioner of Agriculture estimates the number of live stock in Ohio at 8,955,500; valued at \$147,349,872, an increase in valuation of \$45,858,103 over the township assessors returns, and an increase of \$27,049,344 over the returns of the Federal census.

The township assessors are usually selected on account of their intelligence and judgment. They are required to visit every house, and make return under oath. The Federal census takers were appointed by U. S. Marshals, who had neither time nor opportunity to select the best qualified persons for this important labor; and there was a very general impression in the minds of the census takers, that the most important part of the duties was to gather the population statistics. Owing to these and other considerations, I am inclined to place more confidence in the returns of the assessors. The estimates of the National Commissioner of Agriculture are merely guesses, and their accuracy depends upon the ability of this officer to guess.

HORSES.

The number of horses listed for taxation in 1871 is as follows:

Number of horses	711,349
Value.....	\$46,902,789 00
Average value.....	65 93

A comparison with the previous year shows an increase of 6,685 horses, an increase of \$152,662 in value, and a decrease of \$0.13 in the average value.

The number and value of horses from 1864 to 1871, inclusive, are as follows :

Years.	Number.	Value.	Average value.
1864	690,892	\$39,111,011	\$56 61
1865	678,456	42,448,531	62 56
1866	683,767	47,490,428	69 45
1867	691,861	48,949,100	70 75
1868	710,375	48,588,747	68 40
1869	704,578	47,961,833	68 07
1870	704,664	46,750,127	66 06
1871	711,349	46,902,789	65 93
Average	696,992	\$46,025,320	\$66 03

The Federal census reports the number of horses in Ohio at 609,722, making a difference of 101,627. The National Commissioner of Agriculture in his report just printed, reports the number of horses in this State at 724,200, valued at \$57,559,416; and an average per head of \$79.48.

The number of horses reported by the National Commissioner of Agriculture in some of the more populous States is as follows : Illinois, 1,008,800; Ohio, 724,200; New York, 652,800; Indiana, 650,000; Texas, 615,700; Iowa, 570,400; Pennsylvania, 540,700; Missouri, 483,000; Kentucky, 327,400; Tennessee, 280,000; Michigan, 274,500; California, 204,800; Virginia, 178,500; Massachusetts, 99,900. The number of horses reported in all the States and Territories is 8,702,000, valued at \$683,257,587.

MULES.

The number of mules in 1871, as returned through township assessors, is as follows :

Number of mules	21,986
Value of same	\$1,593,383
Average value	72.51

A comparison with the previous year shows a decrease of 71 in the number of mules, a decrease of \$18,210 in value, and a decrease of \$0.55 in the average value. The National Commissioner of Agriculture estimates the number of mules in Ohio in February, 1871, at 22,200, while the last Federal Census shows but 16,065. According to the report of the National Commissioner, Alabama owns more mules than any State in the Union, the number reported being 98,700. Mississippi reports 96,300; Tennessee, 94,600; Kentucky, 85,500; Illinois, 96,900; Indiana, 35,70

The number of mules reported in all the States and Territories is 1,242,300, valued at \$126,127,786. No mules are reported in any of the New England States.

CATTLE.

The number of cattle reported by township assessors is as follows :

Number of cattle.....	1,646,440
Value of same	\$35,642,484
Average value	21.64

Comparing with the previous year, we have an increase of 125,019 cattle, an increase of \$2,235,882 in value, and a decrease of \$0.31 on the average value. The number of cattle in Ohio for a series of years is as follows :

1861	1,902,772
1862	1,849,155
1863	1,824,774
1864	1,436,990
1865	1,244,327
1866	1,268,698
1867	1,426,115
1868	1,512,666
1869	1,492,581
1870	1,521,421
1871	1,646,440

The whole number of cattle reported in Ohio by the census of 1870 is 1,436,217, of which 654,390 are reported as milch cows, 23,606 as work oxen, and 758,221 as other cattle. The National Commissioner of Agriculture reports 1,535,100, including all grades. The Commissioner estimates the number of cattle in other States as follows: Texas, 3,816,500; New York, 2,116,100; Illinois, 1,907,400; Pennsylvania, 1,549,800; Iowa, 1,280,200; Indiana, 1,185,500; Missouri, 1,102,300; Michigan, 783,900; Wisconsin, 774,700; California, 676,800; Florida, 485,500. The number of cattle in all the States and Territories is reported at 26,235,200, valued at \$744,119,149.

SHEEP.

The number of sheep listed for taxation in 1871 is as follows :

Number of sheep.....	4,302,904
Value of same	\$3,062,699
Average value.....	1.87

Comparing with 1870, we have the following result :

Decrease in number of sheep.....	749,124
“ value “	\$355,589
Increase in average value.....	0.21

The number of sheep reported in a series of years is as follows:

1840	2,028,404
1850	3,942,916
1854	4,845,189
1860	3,468,174
1861	3,934,762
1862	4,448,227
1863	5,560,318
1865	6,305,796
1866	7,039,889
1867	7,555,507
1868	7,688,845
1869	6,272,640
1870	5,052,028
1871	4,302,904

The census of 1870 reports the number of sheep in Ohio at 4,928,635, while the National Commissioner of Agriculture reports the number at 4,641,000. According to this report, Ohio owns over a million more sheep than any State in the Union. California reports 3,636,000, being next in rank to Ohio. Michigan reports 3,027,800, Indiana 2,100,000, New York 2,080,000, Iowa 1,822,700, Pennsylvania 1,762,500, Illinois 1,424,000, Texas 1,137,300, Missouri 1,578,200, Wisconsin 1,056,000. None of the other States return a million, the nearest being Kentucky, which reports 904,300. The number of sheep reported in all the States and Territories is 31,851,000, valued at \$74,035,837.

HOGS.

The number of hogs and value thereof in 1871, are as follows:

Number of hogs	2,164,403
Value of same	\$9,290,414.00
Average value	\$4.29

A comparison with the previous year shows an increase of 444,290 in the number of hogs, an increase of \$600,947 in value, and a decrease of \$0.70 in the average value.

The number of hogs returned for a series of years, is given in the following table:

1861	2,242,814
1862	2,571,404
1863	2,765,900
1864	1,616,516
1865	1,455,092
1866	1,817,151

1867	2,058,086
1868	1,812,572
1869	1,455,943
1870	1,720,113
1871	2,164,403

The number of hogs in Ohio, as reported by the census, is 1,728,968. The National Commissioner of Agriculture reports 2,033,000. According to the Commissioner, Ohio ranks fifth in the hog production. Illinois ranks first: number estimated at 3,363,000; Iowa second, with 3,100,000; Indiana third, with 2,349,000; Missouri fourth, with 2,200,000. Kentucky reports 1,949,100; Tennessee, 1,520,000; Georgia, 1,428,900; Texas, 1,200,000; Pennsylvania 1,047,600. None of the other States report a million, the nearest being Alabama, reporting 900,000. The estimated number of hogs in all the States and Territories is 29,457,500, valued at \$182,602,352. This is an atom over three-fourths of a hog to every inhabitant of the Republic.

OUR SHIPMENTS OF LIVE STOCK.

The receipts in New York for 1870 were as follows :

Cattle	356,026
Cows	5,050
Calves	116,457
Sheep	1,463,878
Hogs.....	889,625
Total	2,831,036

The sources of cattle supply were as follows :

Illinois	205,255
Texas	39,652
Kentucky	29,130
Ohio	24,883
New York	16,825
Indiana	12,307
Missouri	11,268
Canada	4,960
Michigan	4,929
Virginia.....	2,758
Iowa	1,735
New Jersey	691
Pennsylvania	591
Kansas.....	588
Connecticut	255
Nebraska	129
Massachusetts	67

All western cattle, except Texas, shipped from Chicago, are credited to Illinois, and include large numbers raised in Iowa, Indiana, Wisconsin and other Western States.

Ohio ships a large number of cattle to the Baltimore market. The receipts of cattle in Baltimore during 1870 amount in the aggregate to nearly ninety thousand head, but the sources of supply are not quoted.

WOOL.

The returns of the assessors show that the wool clip of 1870 was 16,711,521 pounds, which is a decrease of 2,581,337 pounds as compared with the clip of 1869. The Federal census of 1870 reports the wool clip of Ohio at 20,539,643 pounds.

The following table shows the damage done to sheep by dogs during the year:

Number of sheep killed by dogs.....	46,013
Value of same	\$108,716 88
Number of sheep injured by dogs	23,985
Estimate of injury done	\$34,360 51
Aggregate amount of injury to sheep by dogs.....	143,009 89
Number of dogs in the State	183,424

THE GEOLOGICAL SURVEY.

The second report of progress of the Geological Survey of Ohio is still (December 19, 1871,) in the hands of the binder. I had hoped by this date to secure a copy, and gather therefrom valuable statistics, but have failed to do so in time to make any satisfactory abstract. A month ago I addressed letters to Profs. Newberry, Orton and Andrews, of the Geological Survey, asking for a condensed statement, if practicable, of the result of their labors and discoveries for this year. I have no response from Prof. Newberry, but Profs. Orton and Andrews have each furnished valuable contributions. The letter of Prof. Orton, on the subject of "Exhaustion of Soils," is printed under the head of Agriculture.

Prof. Andrews, who has charge of the South-eastern Ohio District, furnishes the result of his observations, which is here appended. It will be observed that the learned and experienced Professor branches off somewhat into the field of political economy, and cursorily discusses the much vexed questions of capital and labor, and the antagonisms of each. My object has been to present nothing but statistics in this report, but Prof. Andrews dives into the labor question with so much grace, and into political economy to such depth, that I am induced to allow him full sea room in my report.

THE MINERAL RESOURCES OF SOUTH-EASTERN OHIO, AND THEIR PROSPECTIVE DEVELOPMENT.

LETTER FROM PROF. E. B. ANDREWS.

Hon. ISAAC R. SHERWOOD, Secretary of State :

SIR: In accordance with your request, I herewith give you some facts and views relative to the mineral resources of south-eastern Ohio, and to their prospective development.

For detailed statements of facts, I must refer to the two Reports of Progress of the Geological Survey, which have already been printed. Since the preparation of the Second Report, additional investigations have been made in the Second Geological District. These investigations, when published, will show the existence of mineral resources of great value in the counties examined.

Iron Ore.—This valuable mineral is found in greater or less abundance in all the counties of the District, through which the lower Coal-measures range. These are Muskingum, Licking, Perry, Hocking, Athens, Vinton, Jackson, Scioto, Lawrence and Gallia. In small quantities, it is found in several other counties. Furnaces are found in all the counties named, except Licking, Perry and Athens, but they are most abundant in Vinton, Jackson, Scioto and Lawrence. The ores of the District are generally of great excellence and purity, and the iron made from them has a very high reputation. Full and accurate analyses of many of these ores, by Prof. T. G. Wormley, are included in the Geological Reports. For the exact stratigraphical positions of the various seams of ore, reference must be made to the Reports and accompanying Maps of Grouped Sections.

The supply of the best ores is very great, and although not strictly inexhaustible, yet enough to last for many generations, at a rate of consumption far greater than the present. For the most part, the ores of the District are smelted with charcoal, but this form of fuel must, ere long, be exhausted, and the use of bituminous coal or coke be rendered necessary. Fortunately, the supply of bituminous coals is, proximately, at hand, of a quality which warrants the belief that our ores may be successfully smelted by them. It is not to be expected that the change from charcoal to bituminous coal will be made in all cases, without the looked-for transitional trials and failures, which almost always accompany great industrial changes. But with good ore and good coal, the iron-maker, who, to a thorough knowledge of the science of iron-making, adds good judgment and sagacity, can hardly fail of success.

The Kentucky coal, used so successfully at Ashland and Ironton, Ohio, proved itself to be good furnace fuel from the very first commencement of its use in suitably constructed furnaces. From this we hope that many of our Ohio coals of equal promise will authenticate themselves as furnace coals at the outset. For the proper distribution of these coals, there will be needed some additional means of railroad transportation, but as generally, the distances are not great, this difficulty is not insuperable.

Some remarks bearing upon an increased iron industry, will be found in another part of this communication.

Coal.—This important element of modern industry and progress, is found in nearly all of the counties of the Second District. The productive Coal-measures include, in whole or in part, the following counties: Scioto, Lawrence, Jackson, Vinton, Hocking, Perry, Licking, Muskingum, Morgan, Athens, Gallia, Meigs, Washington, Noble, Guernsey, Monroe and Belmont. The area of coal in a few of the counties is limited, but in none is coal entirely wanting. In many counties coal is found in almost every township, generally lying in accessible seams in the hill-sides. Mining by shafts beneath the general surface is the rare exception in the District. There are coal shafts on the Hocking river, below Nelsonville; at Jackson, in Jackson county; on the Ohio river, above Pomeroy, in Meigs county; in Guernsey county, east of Cambridge, and on the Ohio river, below Bellair, in Belmont county. Generally, there will be found an inexhaustible supply of coal in the hills, which can be mined under the most favorable circumstances.

The coal is everywhere bituminous, sometimes, though rarely, appearing in the modified form of cannel. Cannel-coal is nowhere extensively mined in the District, and, as a general rule, it is less valuable than the usual bituminous coals.

Caking and non-caking coals are well represented in quantity and quality. The latter, we found almost exclusively in the Lower Coal-Measures. For the blast furnace where coal is to be used without caking, the non-caking must be employed.

Such coal is found in Muskingum, Perry, Hocking, Athens, Vinton, Jackson and Gallia, and, perhaps, in one or two other counties. The lowest seam of coal in the series, is generally non-caking in character. Two seams, next above in Jackson county, are also dry-burning. The Nelsonville seam, still higher in the series, is, in most of its range, of the same character, and so over limited areas are some of the seams above this. There appears to be almost every possible gradation between the dryest or non-caking coals, and those which soften and swell in burning, and are in the highest degree caking in quality.

It is impossible to give an estimate in figures of the quantity of coal in the District, but the aggregate is enormous, enough to allow of a rapidly increasing production and use for long ages to come. The quantity is, indeed, so great that much of it must remain unused for hundreds of years. It will be remembered that ours is not the only coal field of the West. There are vast supplies of coal in Western Pennsylvania, West Virginia, Kentucky and Indiana, besides the more distant coal fields of Illinois, Iowa, Missouri, etc. From many of these States, there is already active competition with the Ohio coals, and the competition will probably increase.

What can be done with our Coal?—It is not enough to be the possessor of a raw material like coal, we must be able to use it or sell it.

It should be used at home so far as possible. There is vast power in coal which we in Ohio should utilize. Prof. Henry, of the Smithsonian Institution, well says: "No civilization is possible without a concentration of power. The ancients had their power in slaves. The pyramids were built by slave labor. Athens had four hundred thousand slaves and twenty thousand masters. The civilization of those days was supported by the brute forces of man. The civilization of to-day is supported by the brute forces of nature. The latent force of the coal puts the life of a thousand horses into an engine. One ton of our best anthracite, burned in our best engines, is estimated as being equal to two years of labor of an able-bodied slave, working ten hours a day; and, counting thirty years for his life, fifteen tons of coal would be equal to the life of an able-bodied slave."

We have so much coal stored away in the hills of Ohio, that figures would hardly give the number of years of human labor it truly represents. How can we best utilize this potential labor in our coal? By manufactures of various kinds. We have scarcely any coal in the State, which will not answer well for the generation of steam. With this steam power, we should manufacture in Ohio the wool grown here and cotton from the South which can easily be brought here. Our forests furnish vast quantities of timber, suitable for nearly all the purposes for which wood is used. Our coals should evaporate our abundant brines, burn common and hydraulic lime, make glass, burn fire-brick, etc., etc.

Our purest and best of the dry-burning coals, should be used in the manufacture of iron. For this, we have vast supplies of superior iron ore, which may be smelted alone or with the ores of Lake Superior and Missouri. Our raw iron should be converted at home, and with our own coal, into its thousand modified forms of cast and wrought iron and steel. Every ton of coal consumed at home, adds to the wealth of the State. The exact points in the State where our coals can best be consumed, must be determined by circumstances. In some cases, the coal may be profitably consumed near the mines, in others, it may be carried to the raw materials which are to be manufactured, or it may meet these materials at some half-way point. This is a question of freights, of labor, of capital of local markets and of the best distribution of the manufactured products. For example, iron is now made at Cleveland, with coal brought from Mahoning county, with limestone from Kelley's Island, and from iron ore brought from Lake Superior, and northern New York. Cleveland affords a local market, and a fine center of distribution. Under favorable circumstances our coals may be profitably used for manufacturing purposes in cities and towns quite remote from our coal fields.

I have not referred to the great and rapidly increasing demand for coal, for household uses. In the agricultural districts, coal is more and more taking the place of wood for fuel. While the aggregate amount thus used is large, it is very small compared with the quantity which manufactures will demand.

The natural market of Ohio coal is Ohio, and such portions of other States as can be reached in successful competition with the coal of other districts. We may not hope to ship our coals to the Newcastles of other States, unless we can furnish coals of such superior quality as to warrant the increased cost of transportation. For distant competitive trade, we must depend upon quality. The Youghiogheny coal, of Western Pennsylvania, because of its excellence and popularity, is carried hundreds of miles by water, to the markets on the Ohio and Mississippi rivers, passing on its route vast deposits of other coal in Ohio, West Virginia and Kentucky. It is believed that there are coals in these States named, hundreds of miles nearer the markets, which, when capital affords the needed means of development, will successfully compete with the coals of Pennsylvania. Coal is now shipped largely from Pomeroy and lower river mines, which is to a considerable extent supplying the market for household use, and for the generation of steam. The saving of distance by river carriage is, however, relatively a less advantage than the saving of distance by railroad carriage. On the river, the chief gain of shorter distance is in time. This, however, is sometimes very great, since from the lower mines two "runs" may often be made to market on the same rise of water, while from the mines of Pennsylvania only one can be made. By railroad, each additional mile of distance, adds a definite sum to the cost of the freight of a ton of coal. The use of the Ohio river is free and the expense of freighting lies chiefly in the contingents of time, perils of navigation, expenses of tow-boats, barges, etc. Hence railroad transportation is necessarily far more expensive than by a free river. This expense depends not a little

upon the grades of the roads. It is reported that the Reading Railroad of Pennsylvania, which does an immense coal business, has on its main trunk no grade greater than fifteen feet per mile and with this grade a thirty-ton engine can move a coal-train of from one hundred and thirty to one hundred and fifty cars. Our Ohio railroads, extending from our coal-fields into the coalless district westward, are subjected to much higher grades, because, as the chief drainage of the State is southward, they must cross the ridges or higher lands which divide the streams. Doubtless, some of our roads, built with limited means, and perhaps with little expectation of such heavy work as a coal trade involves, were constructed with less consideration of grades than would be given to the subject if the roads were now to be built and adequate funds were at command. In the location of some roads, coal as an element of business, was strangely ignored. For example, the old Scioto and Hocking Valley Railroad, in its northern extension through Hocking and Perry counties, was located (and largely graded), so as to pass within perhaps five miles to the west of the Straitsville coal field, one of the finest coal fields of the world, skillfully avoiding the coal everywhere. It will be within the limits of safety to say, that, if there had been years ago a State Geological Survey of that region, and the quantity and quality of the coal had been authenticated, as they have now been, that railroad would have been located through the great coal fields of Hocking and Perry counties, and the road would have been built and, if built, other roads and branches would have been constructed to that field, so that, by this time, this part of the State would have had the advantage of fifteen years, of stimulated development, and Newark and Columbus, and perhaps other towns and cities, have been doubled in population.

Learning these lessons from the past, the future should be characterized by higher wisdom and an intelligent and penetrative forecast. Our stores of coal, iron ore, salt, etc., etc., are enormous. Our coals must be used for smelting our ores, and such other ores as may be obtained from districts where no coals exist. Secretary Boutwell, in his recent report to Congress, presents the significant fact, and one well worth pondering, that the United States are losing their great maritime carrying trade for the want of cheaper iron for ship building, British iron steamers now having largely displaced the old wooden vessels. We have in the United States, and indeed in Ohio, vast supplies of the raw material needed in iron making, and are rapidly accumulating the necessary capital for working up these materials. It is true that capital with us is worth a higher rate of interest than abroad, but for all such investments as are safe, and the returns sure, capital is satisfied with rates of interest not very greatly in excess of interest on similar investments elsewhere. It is the uncertainty of return, and the speculative character of so many of our investments that, to a large extent, create high rates of interest. It is the same abroad, but in a less degree, on account of the larger aggregate of capital. Great Britain has capital, science, skill and cheap labor. The science and skill we certainly can have. The labor question is the only one which presents any very serious difficulty. How far it may be best to make up this disadvantage by duties on foreign iron, or how high such duties should be, I shall not undertake to decide. The question must press heavily upon our wiser statesmen, who, fully aware of our immense natural resources, are at the same time aware of the great loss to the nation for the want of their development. This development, however, must not be here, as in the old world, at the expense of an enlightened civilization, through such an under paid and debased labor system, as now constitutes the dark shading of the picture of the wealth obtained from the mining and iron industries of Great Britain, France and Belgium. If at no distant day the population of Ohio is to be increased one or more millions by the development of her mineral resources, it becomes us to ponder well the history of similar

developments abroad, and avoid the evils which are there so deplorable. In the United States, our free and beneficent governments, National and State, are based upon the elevation and character of the people, and it were unwise and unsafe for us to attempt to turn our munificent endowment of minerals into wealth, if we thereby place any class of our citizens below that standard of humanity which our institutions require as essential to their very continuance. The wives and young children of our people must not be obliged to toil in mines and in iron works, driven to their unsuitable tasks by the conviction that the united earnings of the whole family are absolutely required to keep the family in existence. Abram S. Hewitt, U. S. Commissioner to the Paris Exposition, in his very able report to our Government, thus writes: "In Wales, women are extensively employed in the works (iron), doing the labor for which a man would be required in America, and earning from ten pence to one shilling three pence per day, or rather less than half the wages that would be paid to a man for the same labor which they perform equally well. In Staffordshire, in the North of England and in Scotland, women and children are still extensively employed above ground about the mines and around the coal heaps at the mouth of the pits, the substantial result of which is that the labor of the whole family is procured for the sum which would be paid to its male head, if he alone labored for the support of the family, of course at a far lower cost of the resulting production of iron than would otherwise be possible. Restraining laws have of late years been enacted in England in regard to women and children, limiting the number of hours during which they may be employed, and also providing that they shall not be employed during the night, except in certain specified cases. But if the women and children were altogether withdrawn from these occupations, as they are in the United States, it would not be possible to produce iron except at a considerable advance on the present cost."

When work fails or sickness comes, the toiling family must necessarily enter the crowded ranks of public paupers. How large the army of paupers in England is, may be seen from the figures, taken from an official report to the British Parliament, which show that 872,620 persons, in a district containing a population of 19,886,104, were supported by public charity, in the last week of September, 1867. In the same returns I find a table showing that in England and Wales the number of pupils in schools inspected by the Government in 1866 was 871,309, a number smaller than that of the paupers. Such a minimum of education and maximum of pauperism, we do not desire to introduce into the New World.

In the iron manufacturing districts of France and Belgium the condition of the laborer is not essentially different from that of England, although in France the darkness of ignorance is even more dense than in the other countries. France, however, does not produce iron enough for her own consumption, while the production of Belgium is only one-tenth of that of Great Britain. The latter country therefore determines the standard of prices, and these prices are regulated by the cheapness of human labor.

It is believed that the day is not far distant when by increased skill and science, we in Ohio may convert our raw materials into iron with as small an amount of human labor as is required in Great Britain, but can we safely attempt to reduce the standard value of labor below a price which shall meet the just needs of humanity?

As a necessary result of the condition of labor in Great Britain, there has arisen an antagonism between labor and capital, which is causing much anxiety in the minds of the more thoughtful statesmen and philanthropists. This is something far broader and deeper than the mere irritation arising from any single conflict with employers who may have been very unjust. It appears to be an abiding and deeply rooted conviction.

This antagonism has doubtless been increased by the virtual law of caste, which almost precludes the hope, as it well nigh precludes the possibility, of the rising of the laborer above the condition in which he was born. For example, in mining, the miner expects to live and die a miner, and that his children will be miners after him. In addition to the oppression of poverty, resulting from poor pay for hard work, he feels himself at such social disadvantage that he well nigh abandons all hope of bettering his condition, and hence, too often, spends his spare hours, which, under the stimulus of an honorable ambition, might be spent in self-improvement and in the advancement of his family, in idle dissipation. Sometimes such men come to the United States, and some of them bring their old-world ways and antagonisms with them. This is unfortunate to themselves, and unjust to their adopted country. Here, the circumstances and conditions of labor are widely different. The land is wide and free, and the miner can, if sober and industrious, always sell his labor at a remunerating price. With industry and frugality he may himself become a mining proprietor. His children may be educated at the public expense and fitted for usefulness in any walk in life. He is surrounded by incentives to ambition. The conditions of his life being changed, it is unnecessary and unwise for him to resort to former methods by which he sought to force from the British proprietor justice and fair treatment. It is unnecessary for him to reproduce here combinations against employers such as afforded him in the old world, if not relief and advantage, at least excitement. Some of these associations are such, that he who enters them must surrender his individual judgment and will and all personal control of his own labor. When such associations attempt not only to control their own members, but to control the labor of others, and to enforce the prohibition by menace of personal injury, a menace sometimes brutally executed, it involves a condition of things so utterly repugnant to the fundamental principles of American liberty, and so disastrous to the development of our great mining industries, as to suggest to the State the necessity of legislative interference. It is very doubtful whether the best interest of the miner can be secured by such combinations. The surrender of personal independence tends to prevent that individual development and growth of character which fit a man for the many duties and responsibilities of American citizenship. But, on the other hand, with more intelligent and broader views of life and duty, the foreigner soon comprehends the demands of a new and growing State, and identifies himself with its progress, and, like the mechanic and farmer, takes pride in making his adopted country great and powerful.

We may not hope, in Ohio, to make our minerals the basis of a great and successful industry if the capitalist or mining proprietor feels that the labor he employs, in addition to its greater cost, is utterly uncertain, and finds that he can make no contracts for production extending to the future. Our resources, which the Geological Survey is making known and authenticating to the State and to the world, cannot be developed, and iron and other manufacturing establishments spring up successfully all over the State to enrich it, if at any moment all mineral supplies may be cut off, and remain cut off for months, by the secession of all laborers from our mines, a secession voluntary on the part of some, and involuntary and forced on the part of others. With the probability of such a condition of uncertainty, capital will forsake our State, seeking elsewhere wiser and safer investments. *Freedom to make individual contracts, and upon such terms as may be deemed reasonable and just by both interested parties, with such legislation as would make the enforcement of such contracts simple and easy, would tend to quiet apprehensions now becoming serious.* The laborer need not fear any failure of legal redress, indeed, such, in this country, are the sympathies of juries in favor of the poor and laboring man, that capitalists and corporations would have far more ground for solicitude. Hence the

principle, most in accordance with our institutions, that each laborer must be absolutely free, both as against fellow laborer and against employer, and being thus free, may dispose of his labor as he sees fit, is probably the one which, if adopted, would be most conducive to the best development of the vast mineral resources of the State. His wages should be secured to him. The law should secure for him thorough ventilation of mines and careful protection from danger. But these and similar safeguards will avail nothing toward the great end of promoting our industries, unless each man is made free to labor, free to make his own contracts, and free in every right of an independent citizen, indeed, a thoroughly individualized man, ready to meet, at the same time, all the responsibilities growing out of this freedom. Any attack upon the freedom of the laborer is, in effect, an attack upon the capitol needing that labor and willing to pay for it, and both assaults are in hostility to the fundamental principles of social order, and to the industry of the State.

I have thus briefly referred to the labor question, as pertinent to the great problem before the people of Ohio, "what shall we do with our vast mineral resources?" In the first place, we may not wisely expect to run a successful race of competition with the Old World in securing cheap labor by trampling upon the laws of humanity. Great Britain makes more iron than she honorably pays for. She complains of Belgium, because there, labor even worse paid and worse fed than her own creates a competition which is thought to forbid the elevation of her own working classes. But in this deplorable state of things, she goes on, every year, increasing the aggregate of her productions, rendering the competition, at home and abroad, still more close and desperate, and forbidding all hope of better reward to labor. This condition of things is becoming even startling to her own wiser men, and the cause of threatening discontent and revolt among her laboring classes. "The truth is," writes Mr. Hewitt, "that the whole system is false, and now when pressed by the energy and enterprize and competition of the age to its legitimate results, humanity is in rebellion, and there is a general cry from all classes, laborers, employers, philanthropists, philosophers and statesmen alike, for relief."

It is in the light of these serious facts that we must view the question of the development of our mineral resources. If, having learned the greatness of these resources, we wisely determine to utilize our minerals and break their long repose during geologic ages by mining and manufacturing industries, we must, under high and patriotic statesmanship, decide how this may best be done so as to avoid disaster from foreign competition, and, at the same time, preserve our laboring population from the evils of the Old World.

I have, also, referred to safeguards, now needed in our State, for the protection of labor, and to give to that labor such independence and manliness as shall secure for it the fullest confidence and the best reward of honorable industry.

Salt.—Of our resources of brine it is enough to state that it may be obtained almost anywhere over a large part of the Coal-measures in the Second District. For the most part the salt wells now in operation are sunk into the upper Waverly sandstone formation. But it is known that several of the sand-rocks of the Coal-measures are charged with good brine. The profitable making of salt in Southern Ohio depends chiefly upon the cheapness of fuel and the facilities for transportation. Salt is one of the great staple products which may be obtained in many portions of the country, and in different geological formations. It can, in many places, be made very cheaply, but its profitable manufacture depends so largely upon the means of cheap distribution, that the question is rather one of business wisdom and sagacity than of science. The details of the geological facts connected with the brines of Southern Ohio will be given hereafter in the Geological Reports.

Fire-Clay.—This important material is found in great abundance, and of excellent quality, in portions of the Second District. It is already largely manufactured in Scioto county. The uses to which fire-clay may be applied are constantly increasing, and the time is not distant when our clays will become an important element of the manufacturing industry of the State. In Europe fire-clay retorts are largely displacing the old iron retorts used for gas-making. They are found to be more durable, and capable of sustaining a higher heat, than those made of iron. By the higher temperature there is a better generation of gas. The Paris gas company manufactures its own retorts, bricks, etc. The articles made by the company annually from fire-clay are—

Retorts	3,000
Blocks and tiles	20,000
Bricks	1,000,000

A Belgian company, whose manufactured retorts, fire-bricks and tiles were on exhibition at the late Paris Exposition, consumes 20,000 tons of clay annually, employing 220 men, and using 32 large kilns. These are simply illustrations of what is done with fire-clay in the Old World.

Cement Limestones.—In the eastern counties of the District I find inexhaustible supplies of this material. Cement lime is manufactured at Barnesville, in Belmont county, of a quality which is everywhere approved. An establishment is now in process of erection at Bellair for a similar manufacture. Cheap transportation and cheap fuel are the essential elements in the successful manufacture of this material. The geological position and chemical analyses of these limestones will be given in the next Geological Report.

I am very respectfully yours,

E. B. ANDREWS,
Assistant Geologist.

COLUMBUS, O., December 18, 1871.

SOCIAL STATISTICS.

This department includes marriages, births, deaths, divorces, crimes, casualties, suits in court, with costs of same, prisoners confined in jail, wills, naturalizations, letters of administration and guardianship, and new structures.

The officers required by law to report in this department have done so, with the exception of the Probate Judge of Coshocton county, the clerk of the court of Vinton county, and thirty-three coroners and twenty-two sheriffs. Reliable statistics can hardly be expected from the last two named officers. Each sheriff seems to have a separate plan for keeping jail-record, while some report no record at all.

The coroners are required by law to report the nature of all deaths occurring under their official observation, together with the number of inquests; but as justices of the peace are by law authorized to hold inquests on the bodies of deceased persons in certain cases, and do not in all cases report to the coroner, it is evident that a consolidation of the coroners' reports in this office will not show the whole number of inquests held within the State.

MARRIAGES.

The number of marriages within the year is as follows :

By license	24,271
By banns	356
Total	24,627

The number of marriages this year is 832 less than that of last, as will be seen by the following comparison :

Marriages within the year 1870	25,459
Marriages within the year 1871	24,627
Difference	832

The whole number of marriages in the last ten years, from 1862 to 1871, inclusive, is 243,873, making an average of 24,387 per year. There has been a steady decrease in the number of marriages since 1866, there being in that year 30,479.

DIVORCES.

The whole number of suits for divorce brought within the year is 2,255. The number decided is as follows:

Granted when brought by husband.....	323
Granted when brought by wife.....	754
Total	1,077

The following table shows the number of divorces granted, with the cause therefor, within the last six years:

	1866.	1867.	1868.	1869.	1870.	1871.
Adultery	389	317	213	249	267	277
Absence and neglect.....	394	417	365	460	451	445
Cruelty	134	132	114	156	156	172
Drunkenness.....	79	73	66	84	79	92
Fraud	30	10	9	13	23	27
Miscellaneous	133	26	60	41	32	64
Totals	1159	975	847	1003	1008	1077

In 1866, the divorces granted stood in proportion to the number of marriages as one to twenty-six, in 1871 as one to twenty-four.

BIRTHS.

The following abstract shows the number of births reported within the year ending April 1st, 1871:

LEGITIMATE.

White.....	58,551
Colored	1,007
Total.....	59,558

ILLEGITIMATE.

White	292
Colored	50
	342
Age and sex not given	57
The whole number reported	59,957

The returns in this class of statistics are very full and satisfactory, except Coshocton county. We may arrive at a very correct estimate by adding the report of Coshocton county (660) for last year to the whole number reported this year, as follows :

Whole number reported	59,957
Coshocton county (estimated).....	660
Estimated number	60,617

The average number of births per county in the year 1870 was 695. The average number per county actually reported in 1871, is 681. Adding the number reported in Coshocton county for last year to the whole number reported in 1871, the average per county will be 688.

The number of colored births in proportion to white births, stands as one to fifty-six.

DEATHS.

The number of deaths reported in the year ending April 1st, 1871, is 25,149, as follows :

White males.....	12,929
" females.....	11,441
Black males	363
" females	340
Sex and color not reported.....	76
Total	25,149

The number of deaths reported in 1870 is 23,683, thereby showing an increase in 1871, of 1,466.

WILLS, LETTERS OF ADMINISTRATION AND GUARDIANSHIP.

The number of wills admitted to probate this year, as shown by the returns, is 2,578 ; and the number of letters of administration issued by the probate courts is 3,755. The number of letters of guardianship issued is 3,088. The number of children included in these letters is 6,182 ; of insane persons, 222 ; of idiots, 46 ; and of aged persons, 64.

NATURALIZATION.

The number of persons naturalized in Ohio for the year ending July 1st, 1871, is distributed as follows :

England, Scotland and Wales	459
Canada	51
Ireland	683
Germany.....	925
Other countries	181
Total	2,299

The following table shows the naturalization statistics of the State from 1859 to 1871, inclusive:

Year.	England, Scotland and Wales.	Ireland.	Germany.	Other countries, and unknown.	Total.
1859	798	1,881	4,720	1,434	8,933
1860	1,083	1,710	6,177	1,508	10,479
1861	2,331	2,108	5,949	1,855	11,233
1862	250	430	975	208	2,036
1863	276	509	1,273	764	2,822
1864	742	990	2,334	460	4,983
1865	446	519	1,676	229	2,885
1866					
1867					
1868	425	1,102	1,298	278	3,103
1869	1,421	2,408	1,316	969	6,114
1870	401	710	740	168	2,019
1871	459	683	925	232	2,299
Total for eleven years. &...	8,622	17,050	27,383	6,845	63,900

VIOLENT AND UNNATURAL DEATHS.

The following is the number of deaths by violence, reported for the year ending July 1st, 1871:

Homicide	49
Killed by accident.....	277
Suicide	79
Violent diseases.....	161
Total	566

The number of inquests held during the year, as reported by the coroners, is 471, and the number of deaths superinduced by intemperance, 107.

It will be seen by reference to the table that thirty-five counties have not been reported upon.

CRIMES, PUNISHMENTS AND COSTS.

The following table is a recapitulation and classification of the general results under the above heading, for the year ending July 1st, 1870, without reference to the particular form of crime, to wit:

A Recapitulation of Tables, Containing the Criminal Statistics of Ohio for the year ending July 1, 1870.

NATURE OF CRIME.	RESULT OF PROSECUTION.																No. of crimes probably committed under the influence of intoxicating liquor.
	No. of persons against whom indictments were pending July 1, 1870.	No. of persons against whom indictments were found during the year.	Total.	No. of persons prosecuted during the year.	No. of persons against whom indictments are still pending.	Nolle Prosequi.	Executed.	Imprisoned in Penitentiary.	Imprisoned in County Jail only.	Fined only.	Fined and imprisoned in County Jail.	Sent to Reform Farm.	Acquitted.	Deaths previous to termination of prosecution.	Persons against whom indictments were dropped, laid away, etc.	No. of cases wherein defendant's counsel was paid by county in each case.	No. of crimes probably committed under the influence of intoxicating liquor.
Offenses against the person	437	939	1376	630	398	260	3	91	48	297	37	3	122	46	60	17	279
Crimes against property	540	972	1512	588	479	301	3	229	88	55	78	19	39	106	153	.....	68
Statutory crimes	1062	2901	3963	1653	984	1088	.....	5	9	1460	71	.....	120	15	225	14	59
Total	2039	4812	6851	2871	1861	1649	6	325	145	1812	186	22	281	167	438	31	406

The following table makes a comparison of the criminal statistics for 1871, with the same statistics for 1870 :

	1871.	1870.	Increase.	Decrease.
Number of persons prosecuted during the year....	2,871	2,550	321	.....
" executed	6	3	3	.....
" imprisoned in penitentiary	325	377	.....	52
" the county jail only	145	134	11	.....
" fined only	1,812	1,523	89	.....
" fined and imprisoned in county jail	186	.....	.....	.....
" sent to reform farm	22	.....	.....	.....
" acquitted	281	333	.....	52
Nolle prosequi	1,649.	1,614	35	.....
Failure to arrest. ....	.....	269	.....	.....
Escaped .....	.....	83	.....	.....
Died before termination of prosecution	167	14	53	.....
Indictments still pending	1,861	1,981	.....	20
No. crimes committed under influence of liquor....	438	267	171	.....
No. indictments pending at commencement of year	2,039	1,836	203	.....
No. indictments found during the year	4,812	4,269	543	.....
No. persons against whom indictments were laid away, etc	438	.....	.....	.....

COST AND EXPENSES OF TRIALS.

The several classes of costs and expenses of trial in criminal cases are given as follows:

Amount of costs in criminal cases	\$115,995 70
" " taxed to defendant	65,483 90
" " collected	25,805 91

After deducting the amount taxed to defendant, there is left the sum of \$50,511.80 taxed to the State. Of the amount taxed to the defendant, only \$25,805.91 has been collected, leaving the sum of \$39,677.99 the most of which is probably not collectable.

FINES AND COLLECTIONS.

The report of fines assessed, and the collections thereon for the year are as follows :

Whole amount assessed	\$56,389 19
" " collected	34,558 93
" " probably collectable	7,812 70

COLLECTIONS ON FORFEITED RECOGNIZANCES.

The returns for the year show the following:

Amount of forfeited recognizances	\$38,722 00
Amount collected on forfeited recognizances	6,814 25
Probable amount collectable	15,807 00

Only 44 counties have reported in this class of statistics.

NUMBER AND AMOUNT OF CIVIL JUDGMENTS.

The following are the returns under this head for the year ending July 1st, 1871 :

Number of civil judgments rendered	14,029
Total amount of money adjudged due.....	\$18,339,765 27
Average amount of each judgment	13,072 77

The statistics for the previous year were as follows :

Number of civil judgments rendered.....	15,615
Total amount of money adjudged due.....	\$9,247,672 13
Average amount of each judgment	592 23

From the above, it will be seen that there was a decrease of 1,586 in the number of judgments rendered, an increase of \$9,192,093 in the amount of the same, and an increase of \$12,486.54 in the average.

The number of civil judgments rendered in the State from 1857 to 1871 inclusive, is as follows :

1857	17,500
1858	18,080
1859	17,054
1860	19,938
1861	19,222
1862	18,187
1863	10,912
1864	8,894
1865	8,773
1866	7,512
1867	12,216
1868	13,044
1869	12,768
1870	15,615
1871	14,029

It will be seen that the business of the civil courts has been gradually increasing since the close of the war, but is not yet nearly so large as the amount transacted prior to and during the first two years of the war.

PRISONERS, COST OF KEEPING, ETC.

The number of prisoners confined in the county jails, and the cost of keeping them, are as follows :

Whole number of prisoners during the year	3,187
Total cost	\$34,925 52
Average cost	10 95

The foregoing table shows only the consolidation of the reports from 65 counties. The report is therefore incomplete and unreliable. The

manner in which returns are made to this office, would indicate that it is in many cases mere guessing on the part of the sheriffs.

PAUPERISM.

The following is the number of paupers as returned by the county auditors:

Number of paupers in county infirmaries	4,651
" " otherwise supported by the county	866
Total number	5,517
 Persons supported by the State in Insane Asylums	 819
" " " Reform Schools	155
Total	974

The number of paupers returned during the past nine years, is as follows:

1863	5,511	1868	5,223
1864	4,700	1869	5,837
1865	4,468	1870	5,651
1866	6,037	1871	5,517
1867	5,445		

PAUPERISM AND CRIME.

The following statistics of pauperism and crime in Ohio, were obtained through the returns of the Federal Census of 1870:

Number of paupers for the year	8,613
Number in June 1, 1870	5,493
Number of convictions for crime for the year	2,560
Number in prison June 1st, 1870	2,865
Annual cost of pauperism	\$378,987

DEEDS, LEASES, MORTGAGES, ETC.

For the year ending July 1, 1871—

Number of deeds recorded	70,407
Number of leases	2,521
Number of mortgages	42,400
Amount of money secured by mortgages	\$49,134,823 26
Number of railroad mortgages recorded	50
Amount of money secured by same	\$316,738,825 00
Number of mortgages, other railroad mortgages cancelled	20,570
Amount of money released by same	\$24,689,527 96

In 1870, under this heading, the returns were as follows:

Number of deeds recorded.....	76,457
Number of leases	2,464
Number of mortgages recorded.....	40,080
Amount of money secured by mortgages.....	\$52,677,474 00
Number of mortgages cancelled	19,072
Amount of money released by same	\$24,399,867 00

There is a decrease of 50 in the number of deeds, an increase of 57 in the number of leases, and 2,320 in the number of mortgages recorded within the year 1871. The amount of money released by cancellation of mortgages, is greater in this year than in last, by \$289,660.96.

NEW STRUCTURES.

The number and value of new structures are as follows:

	Number.	Value.	Average value.
Dwellings, hotels, etc	9,939	\$5,546,950	\$556 08
Barns and stables.....	2,583	680,089	263 29
Mills, factories, etc.....	268	445,859	1,663 65
Stores, warehouses, etc.....	461	681,384	1,478 05
Churches	53	439,950.	8,300 94
Public halls	30	195,036	6,501 20
Miscellaneous.....	258	150,448	583 13
Totals.....	13,592	\$8,139,716	\$598 92

Comparing the number and average value of the different kinds of structures, with the number and average value of those reported in 1869 and 1870, we have the following:

	Number. 1869.	Average value, 1869.	Number. 1870.	Average value, 1870.	Number. 1871.	Average value, 1871.
Dwellings, hotels, etc	14,230	\$705 55	11,360	\$640 74	9,939	\$556 08
Barns and stables.....	2,730	283 61	2,541	263 28	2,583	263 29
Mills, factories, etc.....	299	2,403 19	239	2,604 28	268	1,663 65
Stores, warehouses, etc.....	333	1,734 60	650	2,277 73	461	1,478 05
Churches, public halls, etc..	38	33,258 55	85	11,536 58	53	8,300 94
Public halls					30	6,501 20
Miscellaneous					258	583 13

TURNPIKES AND PLANK ROADS.

The following is the return of the number and length of turnpikes and plank roads in Ohio in 1871 :

Number of turnpikes	566
Length in miles	4,325
Number of plank roads.....	9
Length in miles	86

There are 123 more turnpikes reported than last year, and the length has been increased 793 miles, which includes the free turnpikes built within the year. There has been a decrease of 26 in the number of plank roads reported, and the length has been decreased 110 miles.

COUNTY BUILDINGS.

The number and value of county buildings are returned as follows :

Number of county buildings	312
Value of the same.....	\$6,731,579
Average value of county buildings.....	\$21,598
Number of buildings destroyed by fire.....	490
Value of the same.....	\$612,188

BANKS AND THEIR CAPITAL.

The return of banks and their capital in Ohio, for the year 1871, is as follows :

	Number.	Capital.
National Banks.....	131	\$22,765,910
Private and other banks	148	5,113,468
Aggregate.....	179	\$27,878,378

This shows a decrease of eight in the number of National Banks, and their capital has been increased \$192,029.

The number of private banks shows an increase of one during the year, and the capital of these banks has decreased \$1,238,420.

BONDS, ETC., EXEMPT FROM TAXATION.

The amount of legal tender notes or other moneys exempt from taxation, as returned for this year, is \$10,707,080.50, being a decrease on last year of \$601,960.50.

OTHER SOCIAL STATISTICS.

The law of May 7th, 1869, requires township assessors to secure the following statistics, in addition to those already reported through county officers:

The number of marriages between blood relations; the number of idiots in each township or ward, etc.; the number of females engaged in prostitution; the number of houses of prostitution; the number of dozens of eggs shipped from Ohio; and the number of hives of bees and pounds of honey produced. The Auditor of State is required to certify these statistics as reported by counties, to the Secretary of State, who is directed to arrange and tabulate for his statistical report. I stated in my last report that this class of statistics was utterly worthless. The following counties are not reported this year: Adams, Allen, Anglaize, Belmont, Clermont, Crawford, Franklin, Fulton, Geauga, Hamilton, Henry, Lorain, Medina, Meigs, Montgomery, Paulding, Putnam, Shelby and Wood.

To ascertain the number of marriages between blood relations, and the number of idiots in any township or ward, is too delicate a task for a township assessor. It is asking too much of this officer to demand at his hands an inventory of the quality and specific gravity of the brain fiber of his neighbors. The number of idiots reported this year in the sixty-nine counties above enumerated, is 123; number of marriages between blood relations, 197; number of dozens of eggs shipped out of the State, 6,714,108; number of hives of bees, 88,839; pounds of honey produced, 815,646; number of prostitutes, 197; number of houses of prostitution, 45. It is apparent that this law is a failure.

OUR PRIVATE CHARITIES.

The following statistics were gathered from the report of the Board of State Charities, for 1871:

Aggregate value of property (real and personal) invested in the several organized private charities reporting during the year 1871, to the Board of State Charities, is \$976,255.32.

The cost of maintenance of these for the year was \$162,226.

The whole number of beneficiaries reported was 26,538, the number for the current year being 2,204; yet the same report indicates that these are not all the organized private charities of the State.

A Table, Exhibiting the Asylums and Reformatory Schools of Ohio, showing number of inmates, number of deaths, with the average daily and yearly cost per capita, at each Institution.

Lunatic Asylums.	Whole No. of inmates.	Average No.	No. Cures.	No. Deaths.	Total yearly expense.	Average yearly cost per capita.	Daily cost per capita.
Longview	580	536½	165	62	\$141,675 59	\$264 73	\$0 75
Northern	509	328	103	23	64,576 70	196 86	0 52
Southern	753	481	160	34	99,246 20	206 34	0 56
Deaf and Dumb	344	289	.....	.....	71,105 41	246 03	0 67
Blind	119	119	.....	.....	31,348 37	263 43	0 72
Idiotic	170	170	3	4	35,786 70	210 50	0 57
Reform School (Boys)	473	404	Disch. 134	1	65,199 18	161 38	0 44
" " (Girls)	50	50	3	1	8,664 81	173 29	0 47
Total	2998	2377½	.....	125	\$517,602 96	.....	.....

SCHOOL STATISTICS.

The following school statistics were consolidated from returns received at the office of the State School Commissioner in 1871. I am under obligations to that office for many kind offices.

COMMON AND HIGH SCHOOLS.

Whole number of school youth in Ohio between 5 and 21 years		1,058,048
<i>White</i>		
Boys	526,109	
Girls	505,656	
Total White	1,031,765	
<i>Black.</i>		
Boys		13,402
Girls		12,881
Total Black		26,283
Average number in daily attendance upon schools		431,296
Whole number enrolled		726,354
Number of school rooms in State		13,373
Number of teachers employed		22,107
Males		9,563
Females		12,544

OUR COLLEGES, UNIVERSITIES AND ACADEMIES.

Whole number in the State	90
Number of students in attendance	11,043
" males	6,477
" females	4,566
" students in the Pagan classics	4,704
" males	2,777
" females	1,927
" classical graduates during 1870	530
" " " " males	297
" " " " females	233
Aggregate cash value of all colleges, universities and academies	\$6,105,120
Aggregate income from all sources	\$404,697

IRON AND IRON MANUFACTURE.

The statistics of iron manufacture are reported under the act of May 7, 1869. This law requires township assessors, at the time of listing personal property for taxation, to gather statistics of the various branches of iron manufacture. The returns thus secured have never been satisfactory to this bureau. Owing to this consideration, and the vital fact that I have received no report this year from nineteen counties, this report is not cumbered with any tables exhibiting the result in detail. Before the close of the present session of the General Assembly, I expect to secure the manufacturing statistics of Ohio, as ascertained by the last Federal Census.

The counties not reported are as follows:

Adams, Allen, Anglaize, Belmont, Clermont, Crawford, Franklin, Fulton, Geauga, Hamilton, Henry, Lorain, Medina, Meigs, Montgomery, Paulding, Putnam, Shelby and Wood.

The returns received from the sixty-nine counties reported show the following results for the year 1870:

Pig-iron manufactured, 310,033 tons. Of this, 112,328 tons were smelted with charcoal, and 197,705 tons with stone coal. Bar and nail iron, 27,681 tons; nails, 6,739 tons; hoop iron, 8,040 tons; sheet iron, 5,262 tons; stoves, 7,198 tons; car wheels, 2,772 tons; other castings, 16,530 tons; spikes and railroad chairs, 4,175 tons; railroad iron, 71,405 tons.

A comparative view of the pig-iron manufactured in a series of years, is shown in the following table:

Year.	Tons of Iron.	Year.	Tons of Iron.
In 1840.....	25,950	In 1866.....	81,790
1850.....	52,658	1867.....	167,591
1860.....	105,500	1868.....	207,746
1863.....	50,704	1869.....	211,074
1864.....	62,536	1870.....	309,033
1865.....	63,991		

The following counties are reported engaged in the manufacture of pig-iron:

Columbiana, 19,767 tons; Cuyahoga, 14,057 tons; Hocking, 3,400 tons; Jackson, 30,791 tons; Jefferson, 21,711 tons; Lawrence, 46,302 tons; Lucas, 406 tons; Mahoning, 85,941 tons; Muskingum, 1,250 tons; Scioto, 17,864 tons; Stark, 2,500 tons; Trumbull, 27,393 tons; Tuscarawas, 2,650 tons; Vinton, 36,000 tons.

COAL MINING.

A comparative view of the amount of stone coal mined in Ohio for a series of years, is given below:

	Bushels.
In 1863	26,887,899
1864	40,527,291
1865	34,290,359
1866	42,130,021
1867	46,703,820
1868	55,264,392
1869	54,955,057
1870	47,584,792

We must await the return of the Federal Census for anything like a satisfactory exhibit of Coal Mining. I attempted to secure statistics of this class from the coal producing sections of the State by correspondence, but have failed. I am only able to present statistics from three or four important commercial and manufacturing towns, which are appended.

Aggregate of Coal in Bushels delivered in Cincinnati for eighteen years.

Year.	Bushels.	Year.	Bushels.
1854	8,158,000	1863	8,000,000
1855	10,356,000	1864	15,975,366
1856	7,509,000	1865	16,467,023
1857	14,500,000	1866	18,022,990
1858	15,000,000	1867	18,446,266
1859	12,392,701	1868	17,500,000
1860	14,600,000	1869	25,500,000
1861	12,500,000	1870	30,300,000
1862	8,500,000	1871	22,972,000

Aggregate of Mineral Coal received in Cleveland for thirty-six years (tons, two thousand pounds).

Year.	Tons.	Year.	Tons.
1829	108	1847	44,401
1830	178	1848	66,351
1831	294	1849	66,801
1832	431	1850	83,950
1833	1,719	1851	107,135
1834	3,349	1852	137,926
1835	1,776	1853	170,915
1836	2,944	1854	170,975
1837	6,421	1855	299,803
1838	2,496	1856	246,995
1839	4,901	1857	321,390
1840	6,028	1858	222,267
1841	16,744	1859	459,483
1842	16,339	1860	583,107
1843	13,574	1861	669,026
1844	18,901	1862	759,104
1845	31,136	1869	922,757
1846	28,133	1870	904,600

The aggregate receipts of coal in twenty-nine years were 1,875,611 tons, being only 48,254 tons in excess of the amount received during the two years 1869 and 1870.

COLUMBUS—*Coal received at.*—The coal dealers of Columbus, with the exception of W. B. Brooks, Peter Hayden and T. Longstreth, have declined to furnish their aggregate business. The amount of coal mined by the three firms mentioned, in 1871, is 258,742 tons.

Aggregate of Coal, Mined in Akron for five years; also the amount Shipped (tons, two thousand pounds).

Year.	Amount shipped.	Amount mined.
1867	152,000	.....
1868	160,000	129,000
1869	325,000	275,000
1870	500,000	350,000
1871	700,000	500,000

NOTE.—The coal statistics of Cleveland were kindly furnished by Hon. Charles Whittlesey; those of Akron by General Voria.

PROPERTY AND TAXATION.

The total valuation of property, as returned to the Auditor of State for 1871, is as follows:

Acres of land returned for taxation.....	25,445,242
Value of lands.....	\$698,489,198
" real estate in cities and villages.....	327,129,836
" personal property.....	476,510,937
Total valuation of taxable property	\$1,502,129,971.

A comparison of these figures with the footings of the duplicate for 1870, shows an increase of 50,182 acres in lands assessed for taxation, and an increase of \$195,137,901 in value. There is an increase of \$16,626,076 in chattel property. The increase in real estate in cities, towns and villages is \$122,634,297, making a net increase of \$334,398,274 in the valuation of the taxable property of the State.

The amount of the levies for 1871 is as follows:

FOR STATE PURPOSES.

For Sinking Fund.....	\$1,199,804 87
For General Revenue Fund (for support of State Government).....	1,649,603 94
For Common School Fund	1,501,319 47
Total State levies	\$4,350,728 28

FOR COUNTY PURPOSES.

Ordinary county expenses.....	\$1,828,773 11
Support of the poor.....	607,208 72
Bridge purposes.....	1,434,382 57
Building ".....	866,600 80
Road ".....	1,041,337 98
Payments of railroad and other debts.....	527,284 58
Total county levies.....	\$6,305,587 76

FOR TOWNSHIP, SCHOOL, SPECIAL, CITY AND TOWN TAXES.

Ordinary expenses.....	\$656,367 24
School and school-houses.....	5,103,581 33
Other special purposes.....	1,147,930 34
City and village purposes.....	5,391,193 45
Total township, special and city taxes.....	\$12,299,072 36
Total county and other local taxes.....	\$18,604,660 12
Total taxes for all purposes.....	\$22,955,388 40
Delinquencies and forfeitures.....	632,275 84
Total taxes, including delinquencies.....	\$23,587,664 24

The decrease in the amount of levies for State purposes is \$315,513.95, and for local purposes, \$186,729.47. Total, \$502,243.42.

The following table shows the value of real and chattel property in Ohio for a series of years:

Years.	Real estate.	Chattel property.	Total.
1841	\$100,850,837	\$27,502,820	\$128,354,657
1845	108,185,744	35,985,725	144,160,469
1850	341,388,838	98,487,202	439,966,340
1855	578,858,539	283,118,815	861,977,354
1860	639,894,311	248,408,290	888,302,601
1867	673,993,757	464,761,022	1,138,754,799
1868	683,452,487	460,008,899	1,143,461,386
1869	697,418,203	459,762,252	1,157,180,455
1870	707,846,836	459,884,861	1,167,731,697
1871	1,025,619,034	476,510,937	1,502,129,971

The following tables illustrate the advance of wealth, as shown by the increased valuation of property, in each section of the State, since 1850, to wit:

MIAMI COUNTRY.

Counties.	1850.	1860.	1869.	1870.	1871.
Hamilton	\$55,670,631	\$119,508,170	\$166,636,890	\$165,702,518	\$220,548,543
Greene	7,437,116	15,573,043	18,711,279	19,008,345	22,439,578
Montgomery	12,698,485	25,799,234	35,934,580	36,802,170	43,455,440
Preble	6,113,291	12,066,312	14,298,250	14,313,830	17,218,220
Totals	\$82,119,523	\$172,947,769	\$235,580,999	\$235,826,863	\$303,662,381

SCIOTO COUNTRY.

Counties.	1850.	1860.	1869.	1870.	1871.
Franklin	\$11,284,951	\$26,356,595	\$35,271,948	\$35,370,292	\$45,725,274
Ross	10,232,791	16,694,888	20,024,811	20,243,401	21,365,925
Scioto	3,493,342	7,116,949	9,636,953	9,836,834	11,379,781
Delaware	4,144,681	8,866,447	11,359,364	11,205,548	15,557,935
Totals	\$29,165,765	\$59,384,879	\$76,293,076	\$76,656,075	\$94,029,914

MUSKINGUM COUNTRY.

Counties.	1850.	1860.	1869.	1870.	1871.
Coshocton	\$5,026,561	\$8,566,869	\$10,204,200	\$10,495,020	\$13,051,930
Licking	9,128,948	17,248,586	20,267,458	20,534,736	25,663,050
Muskingum	10,984,107	17,102,862	21,335,825	21,608,188	24,998,300
Washington	3,982,051	8,128,673	10,926,537	11,223,750	13,113,440
Totals	\$29,121,667	\$51,047,000	\$62,734,020	\$63,861,694	\$76,826,720

THE UPLAND COUNTRY.

Counties.	1850.	1860.	1869.	1870.	1871.
Belmont	\$7,393,043	\$12,207,603	\$16,027,805	\$15,599,664	\$20,009,300
Jefferson	7,373,776	9,640,062	13,628,127	13,647,217	18,596,300
Stark	9,413,008	15,793,194	21,443,970	21,971,600	31,453,240
Ashland	4,678,991	8,239,100	10,316,068	10,384,386	12,982,931
Totals	\$28,858,808	\$45,879,969	\$61,415,970	\$61,602,867	\$83,040,771

WESTERN RESERVE.

Counties.	1850.	1860.	1869.	1870.	1871.
Cuyahoga	\$10,474,689	\$31,006,163	\$53,089,641	\$53,489,729	\$82,288,584
Trumbull	7,222,077	11,089,166	14,947,972	15,116,557	19,098,018
Summit	6,324,251	11,000,043	16,049,884	16,853,683	21,433,877
Huron	5,355,228	10,865,300	13,623,334	13,946,984	17,363,527
Totals	\$29,376,445	\$63,961,672	\$97,710,831	\$99,406,953	\$140,184,006

MAUMEE COUNTRY.

Counties.	1850.	1860.	1869.	1870.	1871.
Lucas	\$3,016,042	\$6,384,750	\$12,435,480	\$12,892,020	\$20,990,480
Putnam	863,944	3,044,018	3,707,614	3,717,326	5,211,277
Williams	990,726	2,858,789	4,128,374	4,175,253	6,861,182
Defiance	1,022,402	2,533,990	3,149,500	3,182,083	4,792,797
Totals	\$5,892,116	\$14,821,547	\$23,420,968	\$23,966,682	\$37,855,736

The principal objects for which money was raised by taxation, and the amounts raised in the State are as follows :

School purposes of all kinds.....	\$6,604,900 80
City and township taxes (exclusive of school, but including the poor)	6,654,769 41
County tax (including bridges and roads).....	4,304,493 66
State debt	1,199,804 87
For the support of the State Government (which includes all departments and objects of State action).....	1,649,603 94

The following exhibits the valuation of the counties named, and the amount of taxes levied for county purposes, in each :

	Valuation.	Local Tax.
Cuyahoga	\$82,288,584 00	\$1,235,557 56
Hamilton	220,548,543 00	3,967,603 46
Franklin	45,725,274 00	613,228 52
Montgomery	43,455,440 00	556,257 61
Lucas.....	20,990,480 00	689,520 69

TAXATION IN CITIES.

The valuation of the five largest cities in the State, together with the amounts assessed in each for city purposes, is as follows :

Cities.	Valuation.	City Tax.
Cleveland	\$57,841,746	\$723,018 63
Cincinnati	180,361,932	2,507,030 85
Columbus	21,513,884	161,354 13
Dayton	18,318,700	155,708 95
Toledo	16,052,780	272,897 26

The proportion of State and local taxes paid by the largest tax-paying counties in 1871, is shown in the following table :

Counties.	State.	Local.
Hamilton	\$523,049 60	\$3,967,603 46
Cuyahoga	238,634 44	1,235,557 56
Montgomery	126,020 28	556,257 61
Franklin	132,603 29	613,228 52
Lucas	46,553 06	689,520 69

VALUATION OF REAL PROPERTY IN OHIO.

The following table exhibits the value of real estate in Ohio, by counties, cities and villages, as ascertained by the State Board of Equalization :

Table Exhibiting the Valuation of Real Estate, as Ascertained by the State Board of Equalization, in 1870.

COUNTIES, TOWNS AND VILLAGES.	Value as returned to State Board by County Boards.					As equalized by State Board.	
	Number of acres.	Aggregate value of lands.	Aggregate value of lands and build-ings.	Aggregate value in towns or lots and buildings.	Aggregate value of real property.	Average value of lands.	Total value of all lands and build-ings.
Adams	307,704	\$3,637,460	\$4,108,307	\$424,557	\$4,532,864	\$10 41	\$3,988,921
Allen	256,328	4,979,081	5,380,205	1,396,887	6,777,092	17 09	5,963,841
Ashland	262,907	7,865,203	8,611,495	940,868	9,552,363	27 64	8,826,375
Ashtabula	439,386	7,740,187	9,213,740	966,469	10,180,209	19 73	10,302,371
Athens	305,924	3,790,722	4,257,196	747,428	5,004,624	13 87	5,064,679
Auglaize	247,776	4,325,183	4,733,131	1,134,570	5,867,701	15 36	5,163,577
Brown	305,495	6,363,252	7,254,467	1,002,111	8,256,578	19 78	7,843,749
Belmont	337,205	10,815,058	12,287,085	.....	12,287,085	29 63	11,353,376
Towns and villages	.....	.....	.....	.....	.....	.....	.....
Butler	290,089	14,769,023	17,050,128	2,403,370	2,403,370	47 04	2,114,966
Hamilton city .....	.....	.....	.....	1,887,432	18,937,560	.....	18,331,558
Carroll	250,135	7,070,707	7,639,514	4,648,937	4,648,937	.....	3,886,512
Champaign	265,257	11,722,099	13,014,959	339,666	7,979,180	22 39	6,319,511
Urbana city .....	.....	.....	.....	832,189	13,847,148	37 35	11,700,840
Clarke	248,700	10,222,261	11,602,432	1,904,094	1,904,094	.....	1,508,043
Towns and villages	.....	.....	.....	.....	11,602,432	39 06	11,022,311
Springfield .....	.....	.....	.....	428,752	428,752	.....	377,302
Clermont	282,976	8,487,977	10,414,000	5,006,571	5,006,571	.....	4,404,903
Towns and villages	.....	.....	.....	.....	10,414,000	27 18	9,435,064
Clinton	255,067	8,939,999	9,869,363	1,262,814	1,262,814	.....	1,222,404
Towns and villages	.....	.....	.....	.....	9,869,363	29 93	8,428,436
Coshocton	352,343	8,618,753	9,334,102	1,219,637	1,219,637	.....	943,999
Towns and villages	.....	.....	.....	.....	9,334,102	21 53	8,214,010
Coshocton and Roscoe	.....	.....	.....	184,035	184,035	.....	161,951
Columbiana	338,049	12,106,987	13,727,584	921,345	921,345	.....	729,706
Salem city .....	.....	.....	.....	2,023,804	15,751,388	30 59	13,451,686
.....	.....	.....	.....	819,646	819,646	.....	793,418

Crawford	252,156	7,510,309	8,399,203	2,294,902	10,694,165	20 21	9,410,866
Cuyahoga	274,600	10,522,503	13,212,807	816,880	14,029,687	38 78	14,193,043
East Cleveland				2,719,976	2,719,976		2,681,896
Cleveland				46,283,359	46,283,359		30,625,989
Darke	376,390	12,254,687	13,635,658	687,077	14,322,735	25 20	11,065,797
Greenville				1,097,760	1,097,760		676,220
Defiance	257,492	2,873,045	3,194,845	560,661	3,755,506	10 80	3,635,330
Delaware	283,289	9,473,658	10,422,377		10,422,377	28 56	8,900,710
Towns and villages				268,200	268,200		236,016
Delaware village				2,084,289	2,084,289		1,742,466
Erie	157,620	4,030,248	4,648,576	250,235	4,898,811		5,173,144
Sandukey city				1,672,784	1,672,784		2,060,869
Fairfield	316,420	10,721,052	11,904,665	1,270,985	12,283,180	29 89	10,909,199
Lancaster				727,111	1,172,674		1,230,314
Fayette	249,982	10,542,945	10,985,563	1,366,147	22,702,963	38 79	9,361,852
Franklin	335,585	19,269,949	21,336,816	15,987,683	15,987,683	48 01	18,979,678
Columbus				243,931	3,638,043		13,981,161
Fulton	257,057	3,032,916	3,394,112	152,881	3,638,043	10 81	3,361,552
Gallia	287,216	4,035,078	4,406,281	1,014,822	4,559,065	12 39	4,011,977
Gallipolis				152,881	6,536,512		893,044
Geauga	256,365	5,525,817	6,383,631		6,536,512		5,752,131
Greene	258,662	12,392,876	14,108,209	1,034,630	14,108,209	42 16	12,415,224
Towns and villages				1,807,011	1,807,011		864,951
Xenia				754,686	7,604,872		1,510,661
Guernsey	326,455	6,243,251	6,850,186	166,501	8,470,093		7,361,516
Hancock	337,029	7,623,614	8,303,592	520,666	520,666		8,199,050
Findlay				18,991,204	43,118,067		595,642
Hamilton	233,550	19,711,278	24,126,863	137,762,998	137,762,998		39,841,094
Cincinnati				1,190,181	6,673,929		111,588,029
Hardin	281,535	5,176,446	5,483,748	613,485	9,191,802		5,579,405
Harrison	256,540	7,861,534	8,578,317	423,490	9,311,180		8,493,226
Henry	262,106	2,714,381	2,887,690	1,490,804	11,571,450		3,059,531
Highland	346,022	9,175,423	10,080,646	335,044	3,866,199		10,483,734
Hocking	265,966	3,223,920	3,551,155	336,140	5,284,520		3,419,856
Holmes	251,886	4,836,170	5,284,520	2,414,260	13,141,060		5,339,627
Huron	306,077	9,359,980	10,726,900		13,141,060		11,222,466
Jackson	260,549	2,442,736	2,689,947	411,885	2,689,947		2,367,154
Towns and villages				595,940	411,885		344,336
Jefferson	257,570	8,681,812	9,962,124	3,246,460	10,558,064		9,755,651
Staubenville				342,936	3,246,460		2,571,197
Knox	329,343	9,566,853	10,434,762	1,046,320	10,777,698		10,432,812
Mt. Vernon					1,046,320		1,060,968

Table Exhibiting the Valuation of Real Estate—Continued.

COUNTIES, TOWNS AND VILLAGES.	Value as returned to State Board by County Boards.					As equalized by State Board.	
	Number of acres.	Aggregate value of lands	Aggregate value of lands and buildings.	Aggregate value in towns of lots and buildings.	Aggregate value of real property.	Average value of lands.	Total value of all lands and buildings.
Lake	137,583	\$3,643,285	\$4,234,549	\$1,608,133	\$5,842,632	.....	\$6,169,572
Lawrence	278,341	3,055,446	3,686,287	1,501,667	3,686,287	.....	3,243,933
Ironton .....	.....	.....	.....	.....	1,501,667	.....	1,186,321
Towns and villages .....	.....	.....	.....	.....	170,739	.....	135,225
Licking	427,315	14,934,970	16,340,525	.....	16,340,525	.....	15,245,710
Newark .....	.....	.....	.....	.....	2,916,649	.....	2,053,321
Towns and villages .....	.....	.....	.....	.....	831,759	.....	731,948
Logan	281,296	8,344,898	9,310,932	1,581,639	10,892,571	.....	8,626,917
Lorain	303,828	8,006,197	9,412,928	1,937,823	11,350,451	.....	10,487,817
Lucas	200,079	2,858,189	3,259,778	346,058	3,605,836	.....	3,490,449
Toledo .....	.....	.....	.....	.....	10,867,409	.....	10,519,652
Madison	292,481	9,000,828	9,464,735	.....	9,464,735	.....	8,830,598
Towns and villages .....	.....	.....	.....	.....	1,081,071	.....	903,775
Mahoning	262,927	9,258,037	10,591,509	587,329	11,178,838	.....	9,837,378
Youngstown .....	.....	.....	.....	.....	2,150,132	.....	2,120,030
Marion	253,764	7,492,635	8,032,680	.....	8,052,650	.....	7,086,359
Towns and villages .....	.....	.....	.....	.....	1,134,187	.....	898,276
Medina	261,394	8,824,516	10,020,442	.....	10,020,442	.....	7,943,319
Towns and villages .....	.....	.....	.....	.....	661,248	.....	581,898
Meigs	261,089	4,409,645	5,132,025	694,354	5,826,379	.....	4,765,979
Pomeroy .....	.....	.....	.....	.....	1,419,525	.....	1,173,947
Mercer	278,703	2,875,192	3,095,809	316,534	3,412,343	.....	3,002,862
Miami	252,703	10,869,554	12,449,387	887,321	13,336,708	.....	11,736,304
Piqua .....	.....	.....	.....	.....	1,977,919	.....	1,653,541
Troy	287,809	3,501,170	4,018,262	1,001,956	1,001,956	.....	837,636
Monroe	284,547	15,515,659	17,961,784	447,210	4,465,472	.....	3,929,616
Montgomery .....	.....	.....	.....	.....	944,141	.....	17,126,768
Dayton .....	.....	.....	.....	.....	11,107,330	.....	10,751,896

Morgan.....	260,468	4,033,034	5,223,161	5,223,161	4,826,201
Towns and villages.....					513,959
Morrow.....	253,149	7,657,598	8,411,932	8,411,932	8,352,127
Muskingum.....	417,264	12,274,550	13,511,440	13,511,440	13,392,214
Zanesville.....					2,896,785
Noble.....	253,971	4,484,771	4,828,258	4,828,258	4,596,208
Ottawa.....	162,823	2,059,698	2,398,847	2,398,847	2,322,084
Towns and villages.....					287,108
Paulding.....	259,235	1,707,337	1,818,634	1,818,634	1,632,862
Perry.....	256,189	4,766,960	5,203,592	5,203,592	5,394,531
Pickaway.....	311,554	13,925,894	14,766,848	14,766,848	12,551,967
Circleville.....					1,437,174
Pike.....	251,291	3,409,741	3,674,093	3,674,093	3,245,074
Portage.....	311,543	6,709,631	7,955,346	7,955,346	9,528,497
Preble.....	266,554	12,109,291	13,697,867	13,697,867	11,119,256
Eaton.....					619,805
Putnam.....	301,294	3,547,570	3,723,755	3,723,755	3,861,391
Towns and villages.....					
Richland.....	308,160	10,736,171	12,111,455	12,111,455	10,990,971
Mansfield.....					2,620,759
Ross.....	419,442	13,162,551	14,232,710	14,232,710	11,955,832
Chillicothe.....					1,937,983
Sandusky.....	255,661	6,113,529	6,797,011	6,797,011	7,330,430
Fremont.....					1,019,327
Scioto.....	300,112	4,064,652	4,774,648	4,774,648	4,043,988
Portsmouth.....					2,371,519
Seneca.....	345,153	8,913,523	9,969,323	9,969,323	10,348,157
Towns and villages.....					750,074
Tiffin.....					1,281,446
Shelby.....	256,290	6,218,243	6,813,424	6,813,424	6,157,523
Stark.....	355,301	13,760,437	15,933,330	15,933,330	17,006,896
Canton.....					2,886,709
Massillon.....					1,264,238
Summit.....	249,016	9,831,067	11,540,644	11,540,644	10,268,118
Akron.....					3,374,025
Trumbull.....	391,120	10,684,863	12,458,726	12,458,726	11,648,612
Warren.....					906,457
Tuscarawas.....	357,248	8,501,553	9,591,712	9,591,712	9,706,812
Towns and villages.....					1,418,886
Union.....	272,318	6,254,657	6,670,142	6,670,142	6,364,959
Van Wert.....	258,592	2,882,397	3,071,358	3,071,358	2,837,935
Vinton.....	257,997	2,461,769	2,674,238	2,674,238	2,442,841

Table Exhibiting the Value of Real Estate—Continued.

COUNTIES, TOWNS AND VILLAGES.	Value as returned to State Board by County Boards.					As equalized by State Board.	
	Number of acres.	Aggregate value of lands.	Aggregate value of lands and build-ings.	Aggregate value in towns of lots and buildings.	Aggregate value of real property.	Average value of lands.	Total value of all lands and build-ings.
Warren	252,288	\$12,433,994	\$14,330,864	\$1,957,709	\$16,288,573	.....	\$13,617,248
Washington	392,432	5,898,853	6,777,534	1,024,537	7,802,071	.....	6,384,438
Towns and villages .....	.....	.....	.....	1,367,192	1,367,192	.....	901,593
Marietta	346,491	11,106,514	12,312,066	866,415	13,178,481	.....	1,203,129
Wayne .....	.....	.....	.....	1,334,315	1,334,315	.....	12,459,810
Towns and villages .....	.....	.....	.....	848,949	6,194,844	.....	876,811
Wooster	264,819	4,834,860	5,345,895	634,390	6,292,070	.....	1,315,635
Williams	382,945	5,179,402	5,657,690	975,313	7,117,341	.....	5,087,385
Wood	255,595	5,670,763	6,142,028	.....	.....	.....	6,090,725
Wyandot .....	.....	.....	.....	.....	.....	.....	6,576,424
Totals	25,312,937	\$678,830,201	\$762,950,024	\$383,156,944	1,146,106,968	.....	1,013,444,506

The number of acres of taxable lands in Ohio in 1859 was 25,316,264; the number reported in 1870 was 25,312,937, showing a decrease in eleven years of 3,327. The average value per acre in 1859 was \$19.20; the average value in 1870, \$27.07, showing an increase of \$7.87, or 41 per cent. The aggregate value of all real property in 1870 was \$1,013,444,506; the aggregate value in 1859 was \$633,246,441, an increase of \$380,198,065, or over 60 per cent. The value of real estate in cities and towns in 1870 was \$329,106,448; value in 1859, \$147,396,483, an increase of \$181,709,965, or over 123 per cent.

FEDERAL TAXATION IN OHIO.

Statement showing the Collections from the general sources of Revenue, taxable under existing laws, returned from the several Congressional Districts of Ohio during the fiscal year ended June 30, 1871.

Sources of Revenue.	1st District.	2d District.	3d District.	4th District.	5th District.	6th District.	7th District.	8th District.	9th District.	10th District.
Spirits	\$1,246,368 16	\$2,639,859 06	\$1,992,997 80	\$713,021 37	\$219,599 77	\$667,549 49	\$488,745 58	\$6,175 43	\$517,978 36	\$284,102 17
Tobacco	928,618 31	93,186 09	247,755 47	17,661 20	10,330 90	25,674 88	38,952 26	7,490 70	15,221 29	647,408 36
Fermented liquors...	222,381 68	150,546 22	37,830 09	7,936 23	6,833 55	3,689 82	34,795 50	5,658 46	28,771 62	41,244 62
Banks and bankers...	49,964 58	.....	8,359 80	2,673 32	4,734 27	1,938 40	10,538 63	3,777 82	2,438 89	3,233 16
Gas	22,903 03	63,270 41	6,274 81	696 65	.....	115 86	9,330 22	1,118 92	1,566 30	6,958 41
Income	243,452 17	48,525 58	32,541 91	5,569 00	2,780 49	5,258 07	72,495 15	6,252 11	19,739 43	82,306 26
Articles, etc., formerly taxed, but now exempt.....	123,819 68	56,358 56	47,123 00	12,656 71	10,699 51	14,309 35	62,949 53	13,030 67	19,352 78	44,294 72
Penalties, etc., collected	82,595 15	1,323 38	20,976 38	637 54	204 31	1,576 86	564 37	483 97	485 53	130 92
Aggregate receipts.	\$2,919,982 76	\$3,053,069 30	\$2,393,859 26	\$760,851 02	\$255,182 90	\$720,112 72	\$718,371 24	\$43,988 08	\$603,544 20	\$1,109,678 62

FEDERAL TAXATION IN OHIO—Continued.

Sources of Revenue.	11th District.	12th District.	13th District.	14th District.	15th District.	16th District.	17th District.	18th District.	19th District.	Total.
Spirits	\$344,069 00	\$233,662 61	\$167,583 43	\$17,999 17	\$7,456 64	\$23,989 93	\$147,779 54	\$146,148 68	\$18,305 79	\$9,948,291 98
Tobacco	31,060 53	14,019 82	30,188 97	15,923 86	56,206 56	33,086 61	35,533 19	286,283 63	9,379 05	2,543,999 68
Fermented liquors...	4,276 58	8,892 90	9,492 62	7,870 94	4,151 82	3,052 40	14,787 92	79,070 90	10,425 06	679,688 93
Banka and bankers ..	4,621 39	2,555 95	4,548 58	3,239 38	1,533 66	2,065 90	6,106 05	20,730 97	6,425 87	139,486 62
Gas	2,232 62	1,527 74	2,829 26	662 49	233 30	.....	1,938 15	29,025 26	1,207 89	151,879 32
Income	15,251 64	15,034 39	17,620 86	16,815 99	10,488 67	4,035 04	17,846 10	203,863 62	11,409 74	830,986 22
Articles, etc., formerly taxed, but now exempt.....	19,475 78	17,373 87	26,244 23	31,615 86	21,469 63	20,444 61	24,521 32	149,524 41	32,437 21	740,702 83
Penalties, etc., collected	314 51	451 86	203 17	485 01	770 05	28 59	509 09	2,337 64	375 22	114,453 53
Aggregate receipts..	\$414,292 05	\$353,519 13	\$258,711 12	\$94,612 70	\$102,288 73	\$91,713 08	\$249,021 36	\$916,707 11	\$89,983 83	\$15,149,489 11

CLIMATOLOGY.

The science of climate, or the investigation of the causes on which the climate of a place depends, is a topic everywhere elaborately discussed, but nowhere well understood. Hon. E. D. Mansfield, while Commissioner of Statistics, commenced the publication of a series of meteorological observations, taken at different points in the State. Scientific gentlemen engaged in colleges and universities, very kindly furnished these observations without compensation. Since my unfortunate installation in this office, this labor of love has become irksome to these worthy scientists, and the Legislature having refused to vote them any compensation, they have, this year, justly failed to respond.

After reading Humboldt on Climate, Geo. P. Marsh on Man and Nature, Darwin on the *cur-tailing* effect of climate upon baboons, Cooper on the relation of Trees to Climate, and the Influence of Forests on Health, and some of the lesser lights, who know less and write more, I have become convinced that I know nothing worthy of mention as statistics, and shall attempt no elaboration.

Prof. Henry, of the Smithsonian Institute, remarked in response to my request to furnish a contribution on climate for this report, that the science of climate is one that is not yet understood, and that those who have written the most freely upon that subject, were those who knew the least about it. I had the promise from Prof. Henry, that he would contribute an article for this report, on the effect produced upon climate by the cutting away of forests. It is very generally claimed that cutting away forests lessens the amount of rain fall. Prof. Henry says that the observations of the Smithsonian Institute, extending over a period of twenty years, fail to confirm this theory. Prof. Hilgard, of the United States Coast Survey, in a conversation, expressed substantially the same opinion as Prof. Henry. Either of these gentlemen is as good authority on this question as any we have in this country. Prof. Henry, I regret to say, has not furnished me the promised essay. I present, however, the result of observations taken at Marietta from 1818 to 1871 (excepting 1824 and 1825), showing the rain fall in inches each year. It will be seen that these observations furnish evidence in support of Prof. Henry's and Prof. Hilgard's theory, that the amount of aqueous precipitation is not influenced by the presence of forests.

I also present observations taken at Steubenville, Cincinnati, Portsmouth, Cleveland, Urbana and Sandusky. The average is taken for the entire period of observations. The observations at Marietta extend back to an earlier date than at any other point west of the Allegheny mountains. The Hon. Josiah Meigs, Surveyor General of the United States,

directed that a journal of the weather should be kept at the Land Office in Marietta. These observations by Mr. Wood, between 1817 and 1823 inclusive, and the continuation of them by Prof. S. P. Hildreth, were presented to the Smithsonian Institute, where I obtained them. Marietta is in latitude 39 deg. 25 min., and is elevated 580 feet above the ocean. The observations taken at the other points noted, were obtained from the Smithsonian Institute, the report of the National Commissioner of Agriculture, and from reports made to this office.

The second table shows the mean amount of precipitation in rain and melted snow, for each month, each season and year for the series of years noted, in forty-five towns in Ohio. The table was consolidated in this office from reports made to the Smithsonian Institute, Washington, D. C.

15—Ex. Doc. Pt. I.

Annual Rain-fall and Melted Snow in inches.

Years.	Marietta.	Steubenville.	Cincinnati.	Portsmouth.	Cleveland.	Urbana.	Sandusky.
1818	50.92						
1819	36.30						
1820	39.11						
1821	43.32						
1822	43.38						
1823	50.08						
1826	41.60						
1827	41.48						
1828	49.50						
1829	39.52						
1830	37.26			26.50			
1831	53.54	43.55		42.30			
1832	45.33	39.75		45.40			
1833	40.37	35.65		36.70			
1834	34.66	38.78		29.50			
1835	42.46	38.15	52.15	25.50			
1836	36.75	39.15	57.39	30.60			
1837	43.86	35.39	42.71	47.80			
1838	35.48	28.16	39.45	36.50			
1839	33.32	28.02	30.62	27.20			
1840	39.09	37.56	47.34	41.64			
1841	42.82	31.27	41.05	43.98			
1842	42.07	41.19	41.29	41.78			
1843	41.76	41.04	51.19	55.05			
1844	36.64	38.67	41.94	36.30			
1845	33.90	38.44	46.38	40.13			
1846	46.27	52.21	53.62	45.50			
1847	52.30	57.28	65.18	38.66			
1848	43.18	50.25	49.68	40.18			
1849	42.89	47.32	52.97	41.64			
1850	52.36	46.98	54.76	56.79			
1851	34.94	28.59	31.70	28.43			
1852	46.50	49.30	54.06	39.11			
1853	37.04	35.50					
1854	38.80	30.11				41.35	
1855	45.75	47.93				55.17	
1856	32.46	32.35	25.49		26.09	30.85	
1857	40.64	54.98	34.89		39.75	39.82	
1858	61.84	50.49	49.19		44.16	41.02	
1859	48.55	49.68	45.11	46.38	38.91	36.51	33.52
1860	39.91	46.48			37.18		30.92
1861	46.41	38.78	42.36	42.44	33.90		29.18
1862	42.70	42.36	38.15	38.32	36.43	37.61	39.58
1863	37.06	38.74	40.58		33.72	36.56	26.36
1864	40.94	49.22	33.31	36.82	33.23	32.03	34.23
1865	48.84	48.03	43.98		32.12	46.04	40.00
1866	47.27	48.94	49.85		48.65	49.62	42.83
1867	46.71	34.14	34.24			31.86	28.89
1868	52.14		42.79		36.85	46.31	44.92
1869	41.82	39.79	40.19		37.57	38.72	45.82
1870	42.39		29.97		47.47	34.60	41.35
Average	42.88	41.43	43.86	38.33	38.25	40.21	36.47

Consolidated Table of the mean amount of precipitation, in inches, of Rain and melted Snow, for each month, season and the year, for a series of years.

NAME OF STATION.	Lat.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Spring.	Summer.	Autumn.	Winter.	Year.	Extent of series.	Date.	
																				Begin'g.	End.
Steuensville	40° 25'	2.94	2.75	3.38	3.53	3.85	4.01	3.89	3.97	3.48	3.18	3.16	3.34	10.76	11.87	9.82	9.03	41.48	37 1	Dec. 1830	Dec. 1867
Marietta	39 25	2.90	3.06	3.18	3.54	4.13	4.35	4.45	3.94	3.13	3.26	3.18	3.58	10.85	12.74	9.57	9.54	42.70	47 11	Nov. 1817	Dec. 1867
Marietta	39 25	2.17	1.66	2.80	2.95	3.07	3.43	1.95	3.07	1.51	3.86	1.76	3.46	8.12	8.46	7.13	7.29	31.08	1 5	Jan. 1854	May, 1855
Cincinnati	39 06	3.38	3.41	3.94	3.45	4.64	5.22	4.47	4.51	3.10	3.34	3.53	4.54	11.93	14.20	9.97	11.33	47.43	18 0	Jan. 1835	Dec. 1852
Cincinnati	39 06	2.56	2.29	3.10	3.76	4.05	3.66	3.59	3.92	3.92	2.71	3.31	3.93	10.41	10.74	9.94	8.14	30.73	10 0	Jan. 1835	Dec. 1866
Gallipolis	39 00	2.42	1.97	2.39	3.94	3.92	3.37	4.20	3.32	4.01	2.19	2.77	3.85	10.25	10.89	8.97	8.24	98.35	5 5	Apr. 1854	Dec. 1866
Portsmouth	38 44	2.90	2.87	3.33	2.77	3.83	4.38	3.91	3.18	2.40	2.79	2.89	3.50	9.93	11.47	8.08	9.27	38.75	19 6	Jan. 1830	Sept. 1852
Portsmouth	38 44	2.76	2.76	4.50	2.64	4.63	1.63	2.59	2.67	2.95	2.79	3.24	4.24	11.77	6.89	8.98	9.76	37.40	2 4	May, 1863	Aug. 1865
Cleveland	41 30	1.88	1.77	2.51	2.78	3.55	4.55	2.82	3.23	3.65	2.23	3.70	3.06	8.84	10.60	9.58	6.71	35.73	10 6	May, 1855	Dec. 1866
Toledo	41 30	1.92	1.71	3.54	3.47	3.66	3.55	4.12	3.32	5.32	2.40	3.11	2.74	10.67	10.99	10.83	6.97	39.46	6 0	Jan. 1861	Dec. 1866
Kelley's Island ..	41 36	1.88	1.49	2.57	3.25	2.85	3.18	3.51	2.55	3.91	2.48	2.80	2.04	8.67	9.54	9.18	5.84	33.24	7 6	July, 1859	Dec. 1866
Troy	40 03	2.99	3.46	6.66	9.14	5.74	5.09	2.82	4.30	2.22	2.84	4.12	3.18	21.54	12.21	9.18	9.63	52.56	3 4	Jan. 1859	Oct. 1863
Sandusky	41 32	1.51	1.53	2.47	3.90	3.08	3.20	3.51	3.14	4.23	2.88	2.66	2.55	8.75	9.85	9.77	5.59	33.96	9 0	Jan. 1859	Dec. 1867
Bowling Green ..	41 27	2.78	2.40	4.40	3.98	3.76	3.62	2.74	3.19	2.02	3.02	3.10	3.55	12.14	9.55	8.14	8.73	38.56	4 6	May, 1858	Dec. 1863
Dayton	39 44	1.49	1.15	1.15	1.09	5.10	3.57	3.17	2.83	1.62	1.96	3.70	3.35	7.34	9.57	7.35	.....	.....	1 5	Jan. 1856	Nov. 1858
Urbana, University	40 06	2.57	2.31	3.16	3.54	4.30	4.30	3.45	3.39	3.36	4.45	3.30	3.26	11.00	11.03	10.14	8.14	40.31	11 0	Jan. 1854	Dec. 1866
New Lisbon	40 45	2.17	2.22	3.06	2.75	2.70	4.41	2.77	3.71	4.06	2.22	2.58	3.38	8.51	10.92	8.86	7.78	36.07	8 4	Jan. 1855	Dec. 1866
Hillsborough	39 13	2.65	2.78	2.71	3.61	4.41	4.08	4.15	3.62	3.72	2.43	3.41	4.29	10.73	11.89	9.56	9.72	41.90	7 5	Apr. 1855	Dec. 1866
Lebanon	39 28	4.15	2.02	5.48	1.90	4.23	4.41	4.25	3.94	3.29	4.45	2.76	4.61	11.61	12.61	10.50	11.38	46.10	3 5	July, 1843	Mar. 1850
St. Clairsville ..	40 10	2.63	5.75	3.17	4.13	4.87	5.55	2.15	3.81	4.41	3.47	3.06	7.13	12.17	11.54	10.94	15.51	50.16	1 8	Mar. 1850	Oct. 1851
New Athens, Franklin College	40 15	.....	.....	.....	.....	.....	5.51	0.93	.....	.....	5.73	.....	2.25	.....	.....	.....	.....	.....	0 4	July, 1843	June, 1814
Columbus	39 57	2.60	.....	.....	.....	.....	.....	3.33	2.97	3.05	.....	3.68	2.07	.....	.....	.....	.....	.....	1 2	Apr. 1843	Sept. 1845
Mt. Vernon	40 15	2.45	3.22	2.72	3.15	.....	.....	.....	.....	.....	.....	.....	1.35	.....	.....	.....	5.23	.....	0 9	Jan. 1854	Apr. 1855
Norwalk	41 23	2.95	1.89	2.46	2.59	2.98	3.43	4.13	3.30	3.24	2.75	2.40	2.04	8.03	10.86	8.37	6.98	34.14	5 7	Oct. 1854	Dec. 1865
Oberlin	41 20	1.44	1.82	1.39	3.02	3.35	5.72	3.05	3.33	3.96	2.81	3.36	2.26	7.76	12.10	9.13	5.52	34.51	3 5	Jan. 1854	Nov. 1857
Zanesville	39 58	2.71	2.64	2.08	1.91	5.06	5.71	4.43	3.41	3.43	3.80	3.61	2.16	9.05	13.55	10.84	7.51	40.85	2 0	May, 1854	Feb. 1857
Hiram	41 20	2.51	2.21	1.77	3.21	3.82	4.29	3.15	2.66	2.56	3.20	3.03	4.28	8.60	10.10	8.79	9.00	36.69	3 8	Sept. 1850	Oct. 1860
Jackson, Jack Co.	39 07	.....	.....	.....	.....	.....	4.10	4.31	6.51	5.89	1.03	2.95	.....	.....	.....	14.92	9.87	.....	0 11	Apr. 1855	May, 1858
Jackson, Mon. Co.	39 34	0.73	4.45	2.12	5.15	4.67	4.55	2.90	6.11	2.70	2.70	2.61	5.86	11.94	12.92	8.01	12.04	44.91	2 0	Jan. 1858	Dec. 1863
Madison	41 50	2.41	2.71	3.36	5.11	4.53	4.43	4.26	4.64	4.18	4.44	6.12	2.91	12.90	13.33	14.74	8.03	49.00	6 2	Feb. 1855	Feb. 1863
Newark	40 06	2.00	3.40	2.76	2.53	2.19	2.30	2.83	2.77	1.85	1.81	3.08	3.14	7.48	7.90	6.74	8.54	30.66	2 0	Jan. 1855	Aug. 1853

Consolidated Table of the mean amount of Rain and melted Snow, etc.—Continued.

NAME OF STATION.	Lat.	Date.												Extent of series.	Yrs. ms.					
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.			Spring.	Summer.	Autumn.	Winter.	Year.
Bellefontaine.....	40°21'	1.76	2.78	1.44	7.97	3.89	5.98	2.05	2.39	2.47	3.69	4.48	4.11	13.30	10.43	10.64	8.65	43.02	2	8
Jefferson.....	41 44	....	....	2.54	5.60	3.06	4.23	2.80	3.47	1.14	4.21	5.04	5.18	11.20	10.50	10.39	....	....	....	0 11
Sidney.....	40 21	0.83	....	0.31	....	8.90	1.44	....	1.99	2.72	4.65	3.31	3.41	....	....	10.68	....	....	....	0 10
Medina.....	41 00	1.05	2.11	1.60	4.40	5.13	5.21	6.97	2.46	1.37	3.39	4.33	5.36	11.13	14.64	8.99	8.52	43.28	1	7
Ripley.....	38 46	3.35	3.33	4.10	4.03	6.91	4.06	4.77	3.48	3.90	2.84	3.26	4.39	15.04	12.31	10.00	11.07	48.42	4	6
Germanstown....	39 30	2.21	3.45	2.85	3.01	2.90	3.94	2.63	2.58	2.13	3.85	3.19	7.87	9.47	8.56	8.85	34.75	6	0	
Granville.....	40 07	2.47	3.65	3.35	3.64	3.53	5.59	4.82	6.52	2.70	3.03	4.11	5.21	10.52	16.93	9.84	11.38	48.62	7	2
Avon.....	41 25	2.27	3.99	3.98	4.28	3.23	4.23	2.10	1.74	4.09	2.05	5.35	4.23	11.49	8.07	11.49	10.49	41.54	1	3
Hudson.....	41 15	2.19	2.59	3.53	2.82	3.05	3.91	2.41	3.77	2.65	2.74	2.94	2.66	9.40	10.09	8.33	7.44	35.26	11	4
Lancaster.....	39 40	2.43	....	....	3.87	11.18	7.27	5.77	4.82	0.71	2.37	2.71	6.85	....	17.86	5.79	....	....	....	0 10
Kingston.....	39 29	3.10	1.70	3.76	2.03	4.59	2.76	2.77	2.52	5.16	1.82	2.37	3.10	10.38	8.05	9.35	7.90	35.68	3	1
Eaton.....	39 50	3.55	....	....	3.92	10.30	3.49	6.91	....	10.09	1.45	2.15	3.19	16.30	....	13.69	....	....	....	0 10
Cuyahoga Falls..	42 00	....	2.00	....	....	....	....	....	....	....	....	....	0.95	....	....	....	....	....	....	0 3
Marion.....	40 35	2.72	2.92	4.10	2.23	3.04	4.06	5.44	2.71	8.86	2.01	2.37	3.24	9.37	12.21	13.24	8.18	43.00	1	8
Coshocton.....	40 18	5.62	2.88	....	....	....	....	....	....	....	....	....	0.84	....	....	....	....	....	....	0 5
Kenton.....	40 06	....	....	....	4.96	3.40	7.75	8.62	14.35	....	3.45	4.01	7.71	....	....	....	9.34	....	....	0 11
Saybrook.....	41 50	1.60	2.22	0.90	....	5.00	7.04	2.50	5.85	4.32	2.37	3.64	3.77	....	15.30	10.33	7.59	....	....	1

Amount of Wheat, Rye and Buckwheat produced in the year 1870.

COUNTIES.	WHEAT.		RYE.		BUCKWHEAT.	
	No. acres.	No. bushels.	No. acres.	No. bushels.	No. acres.	No. bushels.
Adams.....	20,247	157,217	241	1,672	46	371
Allen.....	19,204	175,619	490	4,075	406	3,501
Ashland.....	21,470	213,925	415	3,907	213	2,530
Ashtabula.....	9,212	92,126	101	948	276	1,552
Athens.....	14,916	139,470	220	2,665	334	3,526
Auglaize.....	17,239	178,473	415	3,577	531	5,963
Belmont.....	21,667	265,740	234	1,988	207	2,727
Brown.....	23,906	205,480	1,545	12,690	54½	575
Butler.....	35,075	442,537	78	885	101	943
Carroll.....	14,649	148,959	993	8,581	403	4,045
Champaign.....	30,705	358,445	118	1,361	145	1,908
Clarke.....	27,918	382,699	550	6,451	70	850
Clermont.....	16,654	153,166	809	6,637	212½	1,361½
Clinton.....	21,783	237,745	451	4,261	109	924
Columbiana.....	15,651	194,525	1,055	9,653	763	6,778
Coshocton.....	24,429	279,764	333	2,507	538	1,131
Crawford.....	21,742	254,945	182	1,744	175	2,480
Cuyahoga.....	4,280	51,708	758	10,275	91	1,202
Darke.....	42,920	441,220	832	10,009	584	6,601
Defiance.....	15,093½	153,349	91½	901	890½	8,914½
Delaware.....	12,444	157,897	200	1,933	351	4,245
Erie.....	9,655	160,459	148½	1,752	478½	7,605½
Fairfield.....	32,865	399,633	615½	6,660	100½	989½
Fayette.....	10,103	120,680	1,183	12,270	18	206
Franklin.....	22,547	266,555	812	7,600	34	3,678
Fulton.....	16,422	228,180	167	1,982	792	12,306
Gallia.....	22,135	171,079	179	1,197	196½	1,520
Geauga.....	3,428	34,935	126	1,025	36	306
Greene.....	32,012	424,493	579	6,543	50	708
Guernsey.....	14,806	142,065	330	2,143	497	3,498
Hamilton.....	7,185	94,607	999	11,528	73	868
Hancock.....	28,592	321,094	209½	1,794	354½	4,330
Hardin.....	13,837	119,032	144	976	307	3,539
Harrison.....	17,754	137,120	225	2,238	128	1,452
Henry.....	11,747	158,352	322	3,551	482	7,850
Highland.....	36,468	332,425	252½	2,669	40½	354
Hocking.....	13,912	134,110	299	2,019	212	1,973
Holmes.....	21,327	274,866	736	6,360	539	4,666
Huron.....	20,455	221,790	63	582	217	2,890
Jackson.....	12,177	86,780	230	752	85½	688
Jefferson.....	13,204	165,729	312	2,470	74	1,027
Knox.....	22,836	255,945	730½	6,475	575	5,745
Lake.....	4,024	58,875	136	1,551	141	1,938
Lawrence.....	11,341	94,221	64	372	44	550
Licking.....	25,270	317,951	688	6,310	598	7,216
Logan.....	26,683	280,859	201½	1,085	448	5,534
Lorain.....	7,822	98,386	131½	1,370	107	1,681
Lucas.....	7,829½	117,207	266½	2,337	789	11,069
Madison.....	5,084	67,640	986½	7,941	76½	1,214
Mahoning.....	9,509	95,450	345	2,877	214	1,847
Marion.....	14,674	165,007	108	1,076	176	2,424
Medina.....	9,780	104,756	310	3,456	126	1,510
Meigs.....	14,412	149,615	269	2,053	285	1,938
Mercer.....	21,566	130,234	451	2,842	917	7,646
Miami.....	36,787	517,586	246	2,940	130	1,671
Monroe.....	13,888	116,545	559	4,901	353	3,294
Montgomery.....	40,489	554,227	442	5,635	102	997
Morgan.....	16,517	185,701	146	1,541	109	1,240

Amount of Wheat, Rye and Buckwheat produced in 1870—Continued.

COUNTIES.	WHEAT.		RYE.		BUCKWHEAT.	
	No. acres.	No. bushels.	No. acres.	No. bushels.	No. acres.	No. bushels.
Morrow	11,398	118,535	283	2,193	358	3,287
Muskingum ..	25,681	281,626	569	5,820	293	2,993
Noble	14,782	145,621	169	1,621	99	1,026
Ottawa	5,151	68,364	59½	776	229	3,258
Paulding	4,486	44,233	177	1,512	344	3,836
Perry	16,970	180,722	245	2,376	136	1,113
Pickaway	25,090	333,291	912	10,373	29½	640
Pike	8,722	73,714	350	2,577	92½	864
Portage	9,587	108,324	264	2,587	85	701
Preble	39,003	379,495	97	963	109	1,159
Putnam	14,169½	141,730	454½	4,442	307½	3,464
Richland	27,448	305,739	876½	8,583	387½	4,024
Ross	28,383½	344,628½	707½	6,428	5½	624½
Sandusky	23,644½	317,144	216½	2,925	421½	5,159
Scioto	8,633	70,541	26	205	82½	664
Seneca	39,744	494,032	236	2,388	239	2,833
Shelby	22,363	217,635	179	1,630	357	4,344
Stark	36,438	505,240	337	3,318	141	1,727
Summit	17,335	248,250	339	3,588	157½	1,800
Trumbull	6,672	92,759	794	8,858	386	3,415
Tuscarawas ..	29,915	379,940	541	6,093	451	4,444
Union	12,821	99,072	156	1,351	389	5,027
Van Wert	10,906	86,035	809	6,735	867	10,855
Vinton	6,772	59,064½	167½	1,169	131½	1,180
Warren	24,266	284,033	250	1,771	266	2,203
Washington ..	20,897	209,613	754	6,958	332	3,855
Wayne	34,801½	441,126	403½	423½	214	2,486
Williams	18,830	235,707	60½	539	610	8,252
Wood	15,809	219,156	251	2,498	1,262	14,861
Wyandot	17,546	250,773	185	2,903	187	2,654
Totals	1,658,661	18,726,341	35,101	331,196½	24,426	287,643½

Amount of Oats, Barley and Corn produced in the year 1870.

COUNTIES.	OATS.		BARLEY.		CORN.	
	No. acres.	No. bushels.	No. acres.	No. bushels.	No. acres.	No. bushels.
Adams	9,343	137,081	504	7,361	31,829	893,382
Allen	9,902	282,645	188	3,354	24,403	998,032
Ashland	15,460	476,561	765	13,331	21,438	769,875
Ashtabula	5,576	492,007	100	1,515	11,384	568,720
Athens	4,859	97,476			19,733	607,936
Anglaize	11,890	303,250	1,650	19,019	23,044	818,016
Belmont	15,191	380,435	2,597	37,210	26,797	1,074,773
Brown	15,098 $\frac{1}{2}$	277,629	1,021	15,732	42,350	1,239,132
Butler	9,064	230,309	13,245	322,567	53,312	2,371,784
Carroll	16,203	402,691	519	6,904	13,049	455,563
Champaign	7,626	201,999	328	6,613	36,557	1,397,423
Clarke	8,434	197,248	717	16,364	34,505	1,323,275
Clermont	17,577	359,272	614	9,682	36,042	1,032,010
Clinton	6,636	158,016	270	4,201	50,451	2,410,529
Columbiana	18,223	502,351	675	10,903	17,566	655,695
Coshocton	12,090	296,165	166	2,113	31,041	1,047,012
Crawford	14,679	477,409	627	10,798	24,811	1,004,675
Cuyahoga	12,947	435,206	137	1,785	10,527	480,007
Darke	14,660	366,403 $\frac{1}{2}$	2,880	50,264	43,914	1,490,539
Defiance	7,537	240,476	139 $\frac{1}{2}$	2,595	13,501 $\frac{1}{2}$	494,328
Delaware	7,772	210,228	55	603	32,029	1,204,297
Erie	9,977 $\frac{1}{2}$	309,726	1,282 $\frac{1}{2}$	25,807	19,185 $\frac{1}{2}$	712,529
Fairfield	9,922	224,590	1,154 $\frac{1}{2}$	30,667	47,857 $\frac{1}{2}$	1,739,346
Fayette	1,890	37,945	4	30	52,487	2,289,416
Franklin	10,845	235,164	545	8,498	62,325	2,051,100
Fulton	8,618	278,234	102	2,014	14,713	773,646
Gallia	8,821	131,015	3	60	22,863	540,426
Geauga	8,630	280,869	33	566	5,409	208,404
Greene	6,282	136,769	1,046	26,110	51,448	2,012,994
Guernsey	11,557	223,469	332	4,318	19,937	667,471
Hamilton	10,022	195,608	3,647	64,912	24,806	889,259
Hancock	11,027	365,774	191 $\frac{1}{2}$	3,031	33,487 $\frac{1}{2}$	1,308,076
Hardin	6,868	315,202	21	273	18,484	692,169
Harrison	8,184	231,404	432	6,945	13,905	557,625
Henry	5,054	151,243	45	1,298	12,812	527,131
Highland	9,037	171,192	83	1,198	53,161	1,862,861
Hocking	5,605	96,735	175	2,734	17,309	500,378
Holmes	16,165	451,703	850	11,910	19,482	630,744
Huron	19,022	606,041	955	19,389	27,419	1,131,891
Jackson	8,089	118,842	10	300	16,371	428,849
Jefferson	10,765	311,149	2,082	32,084	14,093	552,124
Knox	12,794	353,537	180 $\frac{1}{2}$	2,821	34,280	1,321,737
Lake	5,939	212,350	616	11,166	5,353	205,902
Lawrence	5,069	72,467	12	150	17,492	440,911
Licking	13,682	353,457	182	2,781	50,800	2,134,946
Logan	6,547	171,929	46	614	28,935	1,071,638
Lorain	12,274	886,824	1,040	24,290	13,861	535,417
Lucas	5,645	188,486	144	2,514	10,066	577,313
Madison	4,051 $\frac{1}{2}$	93,924	85	1,958	47,192	1,865,340
Mahoning	12,514	390,573	250	3,509	12,136	578,028
Marion	10,531	289,667	56	745	31,318	1,093,532
Medina	13,349	438,163	446	6,095	13,551	661,597
Meigs	5,671	95,797	161	2,569	16,818	458,958
Mercer	12,555	278,703	603	7,082	24,640	887,506
Miami	12,543	299,695	3,157	69,244	38,920	1,425,128
Monroe	12,542	246,401	59	888	18,179	586,855
Montgomery	15,680	317,523	3,440	78,907	40,819	1,625,331
Morgan	5,454	106,502	26	335	18,163	615,555

Amount of Oats, Barley and Corn produced in 1870—Continued.

COUNTIES.	OATS.		BARLEY.		CORN.	
	No. acres.	No. bushels.	No. acres.	No. bushels.	No. acres.	No. bushels.
Morrow	11,324	337,559	121	1,866	21,496	791,748
Muskingum	10,968	254,357	191	3,119	33,342	1,243,054
Noble	7,750	157,542	22	230	21,199	813,929
Ottawa	5,743	110,341	276	3,006	6,793	321,801
Paulding	1,810	57,827	23	187	5,776	241,135
Perry	5,183	99,218	201	6,115	18,666	577,842
Pickaway	3,532	73,944	54	1,423	77,890	2,764,013
Pike	7,138	92,370	471	11,756	25,783	818,776
Portage	12,412	386,257	1,545	23,898	11,265	540,862
Preble	11,840	261,195	1,430	28,267	39,366	1,698,174
Putnam	5,367	158,691	78	1,685	20,504½	787,400
Richland	21,411	665,878	943	17,091	24,756	868,480
Ross	5,821½	71,539	339	7,988	70,965½	2,644,308
Sandusky	13,367½	465,716	366	7,158	24,321½	1,050,186
Scioto	8,309	112,945	637	15,900	22,983½	729,600
Seneca	20,035	604,688	422	6,990	36,836	1,128,832
Shelby	14,185	282,945	962	16,341	29,584	798,842
Stark	19,599	624,207	6,599	107,840	22,657	1,175,641
Summit	13,185½	396,068	2,867	44,634	14,439	806,594
Trumbull	13,003	419,867	11	107	12,430	571,463
Tuscarawas	21,116	597,225	1,139	18,278	22,140½	805,881
Union	8,537	189,911	84	1,031	34,021	1,253,072
Van Wert	5,958	178,035	146	1,347	15,653	629,729
Vinton	3,943½	62,106	24	315	12,400	336,485
Warren	12,691	265,297	6,944	135,160	48,119	2,126,748
Washington	11,951	207,982	37	426	23,139	695,978
Wayne	22,724½	728,907	1,862½	30,271	27,930½	1,126,632
Williams	10,560	324,930	139	2,702	17,719	668,297
Wood	11,569	342,996	253	4,307	28,275	1,218,431
Wyandot	12,128	596,736	90	1,649	22,399	832,230
Totals	923,260½	24,819,908½	78,976½	1,502,007	2,360,189½	88,565,299

Amount of Meadow and Clover for the year 1870.

COUNTIES.	MEADOW.		CLOVER.			
	Number of acres.	Tons of hay.	Number of acres.	Tons of hay.	Bushels of seed.	Acres plowed under for manure.
Adams.....	8,978	7,158	2,575	736	1,007	280
Allen.....	11,749	10,391	4,772	3,789	6,523	504
Ashland.....	20,482	24,646	11,944	11,229	11,593	97
Ashtabula.....	46,569	53,294	1,518	2,430	253	129
Athens.....	16,529	17,894	643	659	58	93
Auglaize.....	8,631	7,673	2,819	2,410	3,625	763
Belmont.....	25,196	30,566	2,332	2,420	1,170	114
Brown.....	15,135½	11,637½	7,086	819½	80½	823½
Butler.....	6,762	6,359	676	1,389	223	1,820
Carroll.....	16,185	18,620	6,805	7,465	4,322	60
Champaign.....	10,581	10,192	5,362	3,029	2,529	278
Clarke.....	11,956	12,198	4,770	2,934	1,348	728
Clermont.....	17,244	14,716	3,314	765	284	417
Clinton.....	10,444	10,758	1,570	684	178	134
Columbiana.....	21,516	26,615	12,815	14,950	8,797	88
Coshocton.....	19,465	22,695	3,533	2,820	2,077	294
Crawford.....	15,383	19,673	9,593	12,687	16,997	284
Cuyahoga.....	36,712	42,508	693	961	161	97
Darke.....	7,121	5,828	11,925	6,131	5,058	2,435
Defiance.....	7,363½	8,681½	7,117½	8,839½	10,303½	392½
Delaware.....	21,510	23,680	2,478	2,558	2,559	47
Erie.....	12,364½	15,854½	2,483½	2,811½	2,901	375½
Fairfield.....	12,410	15,807½	12,235	5,716	3,278½	948
Fayette.....	6,747	5,537	1,298	425	39	148
Franklin.....	17,032	15,748	2,455	1,648	1,645	470
Fulton.....	11,901	16,206	8,784	11,158	12,626	347
Gallia.....	11,806	10,694	2,102	400	33	194
Geauga.....	33,782	36,287	214	329	17	16
Greene.....	8,438	9,098	7,240	2,155	1,297	1,118
Guernsey.....	24,529	25,759	1,618	1,596	960	61
Hamilton.....	10,863	10,409	3,088	2,298	49	562
Hancock.....	14,208½	15,854	9,214	9,863	17,218	159
Hardin.....	12,255	12,960	1,770	1,734	2,194½	10
Harrison.....	23,773	30,287	1,947	2,458	1,867	36
Henry.....	6,063	8,785	2,957	3,791	4,725	397
Highland.....	19,038	12,959	4,325	1,264	333	282
Hocking.....	10,368	10,654	2,615	1,473	616	98
Holmes.....	12,769	14,368	9,217	10,997	10,710	68
Huron.....	28,259	33,729	6,573	7,705	8,884	285
Jackson.....	14,045	12,926	826	166	50	57
Jefferson.....	19,722	24,449	2,663	3,155	2,568	90
Knox.....	20,322½	24,446	8,342	7,717½	8,245	145
Lake.....	13,016	16,119	1,642	2,353	395	129
Lawrence.....	5,115	4,511	2,203	491	8	356
Licking.....	28,702½	35,901	3,413	3,372½	1,483½	121
Logan.....	12,216	12,178	7,378	5,456	7,233	576
Lorain.....	39,513	41,562	1,229	1,553	1,368	15
Lucas.....	12,621	17,715	2,990	3,644	3,825	301
Madison.....	13,632½	10,663	419	255½	33	.....
Mahoning.....	28,918	32,957	5,929	7,948	3,048	143
Marion.....	17,466	19,542	3,679	3,944	6,239	34
Medina.....	32,177	34,482	4,104	3,965	7,022	124
Meigs.....	4,823	16,411	1,105	536	32	355

Amount of Meadow and Clover for the year 1870—Continued.

COUNTIES.	MEADOW.		CLOVER.			
	Number of acres.	Tons of hay.	Number of acres.	Tons of hay.	Bushels of seed.	Acres plowed under for manure.
Mercer	7,809	6,129	4,358	3,456	5,362	207
Miami	5,503	4,694	7,720	3,443	3,200	1,621
Monroe	14,577	14,087	2,188	1,714	807	70
Montgomery	6,984	6,001	16,476	6,543	3,217	4,187
Morgan	14,952	16,190	2,441	2,382	906	27
Morrow	23,469	28,831	4,913	6,130	7,819	115
Muskingum	26,874	32,390	3,617	3,255	1,228	92
Noble	15,825	17,036	1,703	1,219	448	126
Ottawa	6,448	10,209	911	1,300	1,651	-----
Paulding	3,985	4,332	658	735	455	-----
Perry	17,331	18,911	1,500	1,145	558	15
Pickaway	7,355	6,547	2,084	1,244	758	161
Pike	5,956	4,767	899	136	32	193
Portage	34,920	38,259	4,157	6,353	1,877	42
Preble	3,972	2,963	12,711	2,623	3,445	2,426
Putnam	9,020	9,526	3,300	3,174	5,879½	112
Richland	18,493	23,342	13,925	13,538	15,388	523
Ross	8,645½	6,684½	7,270½	896	470	758
Sandusky	10,595½	12,984½	9,060	10,523½	16,601	368
Scioto	8,496	8,298	922	267	13	236
Seneca	18,599	20,360	13,391	14,819	19,621	418
Shelby	6,036	5,043	3,009	2,262	2,504	352
Stark	15,150	19,539	20,753	28,621	11,460	420
Summit	20,727	25,216	9,037	12,238	5,453	270
Trumbull	50,918	53,736	886	1,336	125	89
Tuscarawas	20,835½	25,641	10,753	13,736	9,588	224
Union	18,210	13,489	1,135	1,045	323	57
Van Wert	8,483	7,832	2,684	2,535	4,563	160
Vinton	11,980½	9,966½	374	234	24½	15
Warren	10,184	10,133	3,697	1,958	553	1,391
Washington	21,293	23,090	2,996	2,545	474	408
Wayne	18,866½	25,668½	19,507	24,726½	20,684½	427½
Williams	8,226	10,207	12,724	14,625	16,339	718
Wood	14,821	20,333	4,360	5,336	9,337	216
Wyandot	12,475	21,546	4,894	4,214	5,785	139
Totals	1,390,522½	1,554,622	340,440	401,389½	367,069½	34,692½

Amount of Flax and Potatoes produced in the State in 1870.

COUNTIES.	FLAX.			POTATOES.	
	No. acres.	No. bushels seed.	No. pounds fiber.	No. acres	No. bushels.
Adams	5	46	436	421	19,745
Allen	1,703	14,264	86,246	1,349	46,670
Ashland	1,988	18,837	3,420	985	76,182
Ashtabula	161	1,021	104,000	2,045	202,607
Athens .....	.....	.....	.....	687	43,496
Auglaize	337	2,611	11,532	732	34,705
Belmont	1	4	25	785	63,019
Brown	421	1541	6,140	7901	31,070
Butler	625	4,128	.....	716	34,002
Carroll	1071	709	295	372	33,683
Champaign	163	923	.....	734	39,868
Clarke	911	5,209	89,592	571	39,146
Clermont	322	2,293	68,912	3,117	110,489
Clinton	2,246	18,220	170,218	4671	27,596
Columbiana	1,500	9,710	689,535	866	87,396
Coshocton	91	201	167	630	45,119
Crawford	528	4,300	.....	1,247	76,947
Cuyahoga .....	.....	.....	.....	3,561	286,133
Darke	1,854	13,255	8,275	1,001	57,546
Defiance	341	2,6891	204,226	9721	72,947
Delaware	2,771	21,677	1,157,300	713	54,050
Erie .....	.....	.....	.....	1,4911	157,805
Fairfield	71	47	60	871	60,342
Fayette	309	2,774	32,100	240	16,891
Franklin	66	665	.....	2,274	135,434
Fulton	107	1,026	8,523	1,034	111,389
Gallia	21	100	1,058	840	44,995
Geauga	419	2,909	303,976	1,035	96,320
Greene	3,083	27,039	835,300	505	31,710
Guernsey	41	34	370	464	23,259
Hamilton .....	.....	.....	.....	4,193	201,055
Hancock	1,774	13,863	124,900	9431	63,453
Hardin	3501	2,543	46,587	860	43,861
Harrison .....	.....	.....	.....	322	27,229
Henry	44	371	273	851	74,389
Highland	341	278	228	568	28,364
Hocking	781	445	1,541	534	32,308
Holmes	13	128	1,569	1,050	44,143
Huron	45	460	4,000	1,311	119,663
Jackson	31	38	230	512	34,113
Jefferson	31	39	1,330	508	41,624
Knox	1,2961	13,056	149,167	8561	62,520
Lake	6	50	220	2,484	231,688
Lawrence	4	11	545	428	23,257
Licking	591	500	25	1,1891	113,755
Logan	547	3,525	49,400	550	49,371
Lorain	751	632	27,425	1,367	22,246
Lucas	8	.....	.....	1,7601	.....
Madison	277	1,877	30,300	309	18,890
Mahoning	2,751	20,611	1,484,740	913	95,791
Marion	407	3,852	149,000	621	41,466
Medina	1,393	12,147	498,851	926	86,697
Meigs	2	21	70	1,478	79,137
Mercer	1,564	11,582	7,930	701	33,402
Miami	2,662	18,155	154,424	736	40,462
Monroe	3	4	100	846	52,750

Amount of Flax and Potatoes produced in 1870—Continued.

COUNTIES.	FLAX.			POTATOES.	
	No. acres.	No. bushels seed.	No. pounds fiber.	No. acres.	No. bushels.
Montgomery	2,954	18,251	287,260	1,587	81,582
Morgan	↓	4	200	491	27,868
Morrow	2,905	24,931	445,022	593	50,858
Muskingum	6↓	22	40	1,490	119,023
Noble	1↓	3	100	463	29,343
Ottawa				918	65,488
Paulding	59	512	40	358	20,183
Perry	67	375	489	534	35,838
Pickaway	4	4		526↓	33,307
Pike	6↓	169↓	160	532	37,895
Portage	1,847	14,719	1,978,733	1,589	144,558
Preble	2,811	12,159	612,000	569	39,841
Putnam	128↓	1,092		660↓	36,480
Richland	841	7,098	31,300	1,171	97,144
Ross				718	46,804
Sandusky	↓	7	100	1,446↓	159,479
Scioto	2↓	11↓	190	786↓	46,646
Seneca	178↓	941		1,095	97,554
Shelby	1,094	7,270	43,400	662	38,207
Stark	988	7,714	996,680	1,321	131,142
Summit	72	697	40,100	1,230↓	120,211
Trumbull	3,359	25,794	3,311,939	1,477	146,156
Tuscarawas	377↓	3,401	57	772↓	57,081
Union	898	6,561	314,598	547	39,042
Van Wert	942	6,495		675	27,647
Vinton	4↓	20↓	270	364↓	24,427
Warren	2,691	17,411	212,756	970	45,297
Washington	6	9	126	1,815	108,925
Wayne	1,907↓	15,786	1,081,092	1,225	113,228
Williams	3,613	15,974	543,400	920	91,852
Wood	493	3,761↓	49,465	1,323	136,206
Wyandot	27	336		653	50,272
Totals	61,204↓	449,378↓	16,864,128	87,787↓	6,121,590

Amount of Tobacco, Butter, Cheese and Sorghum produced in Ohio in 1870.

COUNTIES.	TOBACCO.		BUTTER.	CHEESE.	SORGHUM.		
	No. acres.	Pounds produced.	No. pounds.	No. pounds.	No. acres.	No. lbs. sugar.	No. gallons. syrup.
Adams	125	91,445	314,153	1,043	569	50	59,178
Allen	7	3,515	473,915	3,728	315	281	26,663
Ashland	1	220	663,105	473,962	35	590	4,026
Ashtabula	21	19,262	931,355	5,758,000	34	320	596
Athens	222	201,810	461,760	31,088	320	.....	37,435
Auglaize	11	2,353	274,005	1,839	493	138	39,618
Belmont	848	963,899	702,549	1,140	421	173	45,436
Brown	2,597	1,379,123	506,503	1,960	675	.....	54,088
Butler	160	156,422	415,495	760	147	.....	13,111
Carroll	.....	17	551,741	330	183	116	15,524
Champaign	2	1,700	433,826	111,041	130	15	12,742
Clarke	16	17,008	356,470	9,365	141	46	14,293
Clermont	978	739,310	426,897	561	637	3,661	53,347
Clinton	21	1,242	346,377	8,590	327	1,365	36,914
Columbiana	3	95	672,772	82,179	169	185	13,850
Coshocton	4	5,141	606,951	11,592	334	274	29,291
Crawford	2	110	493,180	2,250	89	29	7,372
Cuyahoga	1	40	815,055	1,740,351	17	60	1,511
Darke	337	173,030	545,877	780	606	.....	49,874
Defiance	52	54,361	309,356	5,697	403	.....	51,792
Delaware	24	2,700	486,370	7,260	144	.....	16,058
Erie	194	2,310	298,920	100,879	97	.....	10,564
Fairfield	18	11,230	595,168	70	345	2,120	27,653
Fayette	1	386	228,968	610	81	48	11,976
Franklin	14	560	453,853	3,140	461	400	33,997
Fulton	2	836	539,064	301,878	191	70	23,917
Gallia	27	12,777	390,280	10,765	777	.....	64,585
Geauga	64	570	537,024	4,959,733	1	71	29
Greene	251	263,887	308,672	60	214	822	21,229
Guernsey	480	413,194	570,014	967	440	.....	41,052
Hamilton	.....	.....	464,571	712	82	495	3,412
Hancock	2	527	631,477	150	199	134	17,473
Hardin	1	1,050	289,750	405	118	1,305	5,833
Harrison	35	31,820	522,000	680	220	.....	19,784
Henry	6	1,478	267,886	18,041	269	349	29,483
Highland	26	21,753	436,844	3,350	468	75	52,067
Hocking	102	76,450	343,580	1,450	322	.....	30,888
Holmes	3	1,670	481,915	32,720	84	140	6,028
Huron	4	315	820,954	583,555	122	371	11,338
Jackson	7	4,425	286,632	9,165	427	.....	38,293
Jefferson	3	400	416,966	12,466	166	.....	17,814
Knox	41	23,162	652,397	6,890	125	306	11,139
Lake	11	9,500	250,068	360,078	6	200	710
Lawrence	82	53,291	152,986	50	714	.....	60,653
Licking	7	6,614	1,123,022	29,864	374	843	35,834
Logan	11	699	453,122	2,240	154	686	14,352
Lorain	5	2,515	958,090	3,693,838	91	258	12,215
Lucas	.....	.....	168,674	9,880	121	50	11,036
Madison	.....	50	185,173	34,738	81	.....	7,161
Mahoning	.....	215	728,512	114,497	48	.....	5,520
Marion	4	1,146	388,935	3,000	115	98	7,402
Medina	37	58,608	880,945	2,352,075	33	295	1,702
Meigs	2	1,320	441,239	53,420	503	50	46,792
Mercer	2	1,090	411,309	3,210	469	.....	45,643
Miami	150	147,309	373,430	2,210	296	.....	29,652
Monroe	2,719	2,330,668	386,553	249,896	546	15	49,347
Montgomery	5,250	6,813,017	485,534	200	397	.....	46,186

*Amount of Tobacco, Butter, Cheese, and Sorghum produced in Ohio in
1870—Continued.*

COUNTIES.	TOBACCO.		BUTTER.	CHEESE.	SORGHUM.		
	No. acres.	Pounds produced.	No. pounds.	No. pounds.	No. acres.	No. lbs. sugar.	No. gallons syrup.
Morgan	577	488,335	494,974	2,190	353	.....	40,127
Morrow	1	112	569,049	7,842	118	1,067	11,315
Muskingum	19	6,815	692,992	934	559	.....	53,551
Noble	2,264	2,364,140	497,841	11,054	507	282	54,441
Ottawa	2	90	147,502	.....	115½	225	9,386
Paulding	6½	6,742	121,695	2,169	190	.....	20,816
Perry	28	12,981	463,455	216	256	16	23,162
Pickaway	1½	260	299,418	2,921	130½	614	13,963
Pike	32½	23,972	165,336	175	448	.....	44,093
Portage	2	300	916,376	3,822,829	4½	159	447
Preble	617	698,263	421,442	795	415	151	48,572
Putnam	½	340	311,600	92	269½	5	23,831
Richland	½	100	712,722	18,917	83½	228	7,097
Ross	6½	2,434	309,794	2,870	382½	30	34,422
Sandusky	1	132	441,559	100	231	.....	27,360
Scioto	11	2,606	170,650	350	498½	.....	44,312
Seneca	½	50	621,016	1,388	136	.....	17,303
Shelby	88	74,738	292,067	.....	314	.....	21,411
Stark	6	3,450	804,022	31,398	98	612	4,433
Summit .....	.....	.....	1,166,488	2,380,891	14½	119	1,611
Trumbull	2	188	860,359	3,601,433	33½	239	3,452
Tuscarawas	7½	3,018	689,156	112,696	189½	126	14,548
Union	10½	1,924	385,415	45,650	156	387	13,674
Van Wert	11	5,760	305,440	54,000	626	98	27,716
Vinton	75	69,457	210,712	565	332½	.....	31,131
Warren	627	918,514	440,217	1,417	275	968	25,358
Washington	1,239	1,157,375	632,115	18,911	670	.....	59,778
Wayne	81½	103,813	875,793	41,833	57½	135	4,677
Williams	2½	2,415	539,750	2,660	274½	.....	26,447
Wood	6½	3,590	593,880	3,025	292	23	35,602
Wyandot	4½	1,470	325,576	470	90	.....	7,669
Totals	20,484½	21,056,729	43,020,554	31,381,038½	23,450½	21,988½	2,187,673

Amount of Maple Sugar, Grapes and Wine produced in the State in 1870.

COUNTIES.	MAPLE SUGAR.		GRAPES AND WINE.			
	No. pounds.	No. gallons syrup.	Acres planted in the year 1870.	Whole No. of acres in vine-yard.	Pounds of grapes gathered in the year 1870.	Gallons wine pressed in 1870.
Adams	2,991	1,239	.....	15½	28,740	105
Alleu	7,331	1,063	.....	1	3,933	280
Ashland	60,287	6,891	2	13	14,100	.....
Ashtabula	206,097	29,233	.....	156	136,052	984
Athens	7,443	2,195	.....	9½	30,310	.....
Auglaize	7,055	761	10	15	3,595	714
Belmont	484	871	.....	259½	52,900	12,182
Brown	1,207	687	41½	341½	970	20,990
Butler	297	15,687	27	613	51,254	6,711
Carroll	1,133	2,172	7½	1½	9,090	456
Champaign	28,746	6,237	.....	2	1,910	84
Clarke	457	401	1½	1	7,395	9
Clermont	91	1,014	49	517	41,875	30,034
Clinton	26,695	4,383	2½	3½	4,070	60
Columbiana	13,883	4,252	14	55	34,510	732
Coshocton	2,356	564	.....	18½	8,380	767
Crawford	3,424	812	39	.....	8,699	259
Cuyahoga	51,055	1,498	29	922	735,866	10,573
Darke	4,467	4,940	.....	2	11,865	11
Defiance	3,304	161	1½	½	6,129	135
Delaware	25,865	4,446	2½	10	13,750	196
Erie	5,405	80	7½	1,586½	7,347,638	2,156,740
Fairfield	6,592	2,968	13½	145	146,000	8,718
Fayette	114	528	4	58	4,775	6
Franklin	3,915	1,423	19	68	16,120	1,070
Fulton	682	88	.....	1½	1,747	310
Gallia	2,218	208	1½	6½	4,980	276
Geauga	364,991	1,943	5	40½	21,100	249
Greene	26,616	5,288	½	½	5,930	120
Guernsey	1,292	410	8	38	29,669	1,259
Hamilton	254	2,460	25	638	67,692	66,809
Hancock	12,638	1,899	.....	2½	3,610	1,065
Hardin	15,270	2,308½	.....	1½	3,125	238
Harrison	695	696	11	28	5,320	175
Henry	1,633	603	.....	2	1,835	140
Highland	6,509	2,234	7½	5½	1,670	700
Hocking	1,777	553	4	32	5,320	73
Holmes	7,007	2,205	23	826	18,710	1,436
Huron	31,978	1,741	12	35	58,100	2,924
Jackson	38	28	1½	1½	4,273	28
Jefferson	750	1,059	12½	153	19,425	390
Knox	35,865	5,180	24½	115½	10,310	1,029
Lake	40,871	609	3	137	566,480	2,351
Lawrence	623	5	.....	7	3,350	15
Licking	13,943	4,007	2	10½	3,710	544
Logan	236,665	8,463	20	1½	9,920	8
Lorain	47,574	1,839	16½	503½	1,368,935	10,563
Lucas	725	35	2	73½	171,150	78
Madison	1,350	108	.....	1-60	.....	100
Mahoning	52,145	11,007	½	17	26,298	153
Marion	2,489	341	.....	5	8,520	217
Medina	122,970	5,894	4	.....	14,232	131
Meigs	1,649	94	20	3½	4,020	257
Mercer	3,135	209	12	124½	5,452	1,022

Amount of Maple Sugar, Grapes and Wine produced in 1870—Continued.

COUNTIES.	MAPLE SUGAR.		GRAPES AND WINE.			
	No. pounds.	No. gallons syrup.	Acres planted in the year 1870.	Whole No. of acres in vine-yard.	Pounds of grapes gathered in the year 1870.	Gallons wine pressed in 1870.
Miami	17,510	7,488	----	4½	8,105	130
Monroe	2,446	157	----	96½	16,801	7,835
Montgomery	25,535	13,556	2½	96½	86,757	10,675
Morgan	340	413	½	9	8,895	932
Morrow	23,669	4,889	½	17½	17,408	268
Muskingum	223	462	17	65½	75,465	2,405
Noble	532	190	5½	10	7,660	637
Ottawa	250	11	10	2,090	3,774,005	162,369
Paulding	1,394	218	3	----	2,285	33
Perry	10,873	3,187	14	76	3,831	2,502
Pickaway	2,790	1,432	3½	52½	94,900	4,395
Pike	3,108	676	8½	20½	8,725	1,754
Portage	168,240	18,085	9	13½	23,090	76
Preble	12,138	5,947	----	2	1,800	138
Putnam	4,297	467	1	7½	883	52
Richland	35,768	7,382	2	23½	53,240	54
Ross	6,163	3,094	45½	118	66,478	9,192
Sandusky	1,283	717	7½	3½	46,870	2,498
Scioto	734	120	34	27½	1,269	6,542
Seneca	6,642	889	----	28½	17,982	2,364
Shelby	2,045	4,006	----	----	905	4
Stark	15,569	3,581	3	12	12,043	824
Summit	43,950	2,122	1	28½	43,363	1,219
Trumbull	130,591	7,026	----	7	4,564	32
Tuscarawas	32,360	585	6½	74½	108,200	7,067
Union	80,987	3,002	----	2	3,090	84
Van Wert	584	201	----	28	4,779	284
Vinton	3,636	416½	14½	144½	124,427	4,893
Warren	29,939	5,674	110½	135½	13,888	1,058
Washington	789	330	14	24	28,957	1,387
Wayne	16,094	2,321	2½	53½	8,545	58
Williams	9,904	800	3	2½	2,550	161
Wood	1,515	164½	1½	9	7,327½	1,079½
Wyandot	2,362	504	----	----	9,833	435
Total	2,204,325	256,133½	804	10,899	15,853,719½	2,577,907½

Amount of Sweet Potatoes and number of acres in Orchards and Fruit produced in the State in 1870.

COUNTIES.	SWEET POTATOES.		ORCHARDS.			
	No. acres.	No. bushels.	No. acres.	APPLES.	PEACHES.	PEARS.
				No. bushels.	No. bushels.	No. bushels.
Adams	59	3,392	3,793	81,459	6,162	1,000
Allen	16	1,128	3,304	123,244	1,484	448
Ashland	11½	427	4,369	251,073	2,579	240
Ashtabula	3	318	4,862	418,835	8,574	332
Athens	43½	2,659	4,355	48,196	3,373	143
Auglaize	4	242	2,208	69,734	299	294
Belmont	18½	3,141	5,848	116,878	2,113	851
Brown	52½	3,592	7,223½	72,380½	4,092	1,420
Butler	32	1,291	3,115	20,801	2,722	1,016
Carroll	6	382	4,418	143,335	6,136	260
Champaign	17	1,265	3,037	82,303	2,889	1,288
Clarke	35	4,446	2,639	38,584	2,539	1,841
Clermont	93	4,825	9,735	82,867	26,987	2,241
Clinton	44½	2,463	3,484	33,907	1,005	1,279
Columbiana	16	693	6,598	361,121	7,292	1,655
Coshocton	11½	581	5,027	104,500	1,923	267
Crawford	15	804	4,159	229,012	1,225	397
Cuyahoga	14	1,775	5,227	333,026	5,004	851
Darke	60	3,881	5,666	94,055	3,251	2,090
Defiance	13	566½	2,663½	38,682	1,704½	205½
Delaware	1½	146	3,054	67,072	1,198	308
Erie	12	2,033	4,469½	206,762	11,736½	573
Fairfield	82½	5,707½	4,996	209,835	6,355½	1,098½
Fayette	12	763	1,831	28,435	1,946	434
Franklin	40	2,725	4,116	69,423	4,255	.....
Fulton	11½	1,247	9,173	120,536	3,547	292
Gallia	22	1,866	4,494	34,156	2,694	111
Geauga	½	45	3,985	315,114	1,188	306
Greene	30½	2,329	3,449	40,703	2,519	1,835
Guernsey	15½	549	4,571	74,027	2,547	465
Hamilton	187	12,207	5,052	40,037	3,855	4,351
Hancock	9½	654	4,501½	185,072	883	362
Hardin	5½	262	3,057	52,378	700	217
Harrison	17	867	3,736	102,898	3,293	382
Henry	2	701	2,296	47,120	4,325	544
Highland	39½	2,889	4,660	48,246	5,534	908
Hocking	11½	1,534	3,434	30,317	3,145	78
Holmes	51	811	3,975	123,205	970	543
Huron	5	763	5,959	276,821	6,381	383
Jackson	8	894	2,880	38,407	4,017	172
Jefferson	11½	1,291	4,043	91,498	1,972	281
Knox	8½	895	5,061	166,989	4,399	252
Lake .....	.....	85	2,587	224,538	11,798	216
Lawrence	43	2,265	3,993	26,975	1,096	92
Licking	25½	1,402	6,668	185,278	4,479	1,104½
Logan	26½	1,632	2,922	86,738	2,651	960
Lorain	19	1,096	5,609	342,581	6,347	610
Lucas	7½	532	3,475½	132,306	4,393	325
Madison	5½	225	1,904	30,086	961	208
Mahoning	14	1,321	4,239	260,772	2,932	839
Marion	19	474	2,781	103,303	1,065	462
Medina	1½	155	4,278	305,229	2,933	521
Meigs	11	1,348	5,327	37,460	1,665	.....

Amount of Sweet Potatoes and number of acres in Orchards and Fruit produced in the State in 1870—Continued.

COUNTIES.	SWEET POTATOES.		ORCHARDS.			
	No. acres.	No. bushels.	No. acres.	APPLES.	PEACHES.	PEARS.
				No. bushels.	No. bushels.	No. bushels.
Mercer	12½	1,087	2,935	51,034	277	302
Miami	44½	3,036	3,598	78,423	3,672	1,975
Monroe	13	826	5,107	39,887	243	49
Montgomery	119	10,855	5,393	54,050	1,711	6,009
Morgan	60	5,148	4,355	43,629	1,959	637
Morrow	3½	374	4,536	144,331	1,491	194
Muskingum	108½	8,513	6,492	124,429	8,745	2,347
Noble	9½	668	3,860	58,364	232	259
Ottawa	1	92	1,234	30,954	808	57
Paulding	2½	99	949	8,904	357	20
Perry	22	1,718	3,920	67,806	2,244	1,361
Pickaway	31	1,802	3,020	32,010	3,905	560
Pike	12	1,076	2,686	37,469	5,242	459
Portage	2	290	6,241	440,384	3,149	307
Preble	30	4,440	3,509	44,472	1,987	3,099
Putnam	5½	288	2,249½	57,962	2,108	346
Richland	8½	374	5,845	335,305	4,886	802
Ross	38½	2,188	4,513½	51,256	6,255	1,410
Sandusky	16	2,123	4,403½	163,288	8,220	237
Scioto	32	2,405	2,455	25,090	1,922	122½
Seneca	108	1,655	6,145	233,175	1,657	489
Shelby	6	417	2,881	49,689	454	366
Stark	10	994	6,065	500,800	4,674	718
Summit	7-10	74	4,651½	368,037	3,048	613
Trumbull	5	430	5,091	199,742	3,093	933
Tuscarawas	9½	829	6,351½	146,105	3,949	476
Union	8½	296	3,230	53,418	494	278
Van Wert	36	599	2,209	29,337	1,694	227
Vinton	9½	983	2,491½	16,512	2,412	122
Warren	120	6,111	6,665	20,921	4,737	3,115
Washington	73	8,031	8,343	43,188	3,793	57
Wayne	13½	1,805½	6,137½	337,309	3,386½	763½
Williams	13½	1,452	3,912	74,384	338	86
Wood	2	202½	3,690½	95,421	4,471	393
Wyandot	22	334	2,824	87,188	2,892	601
To als	2,350½	264,199½	377,297½	11,012,582½	309,639½	67,047½

Number of acres of Pasturage and Uncultivated Land, pounds of Wool, number of Dogs, and Sheep Killed in the year 1870.

COUNTIES.	PASTURAGE.	UNCULTIVATED LAND.	WOOL.	DOGS.	SHEEP KILLED.	
	No. acres.	No. acres.	Pounds shorn.	Total number.	No.	Value.
Adams	37,248	68,543	39,864	1,955	221	\$459 00
Allen	22,755	89,622	107,520	2,146	477	1,031 00
Ashland	42,887	55,499	257,241	1,893	265	891 00
Ashtabula	115,008	72,572	142,909	1,182	344	1,007 00
Athens	69,160	78,580	176,257	1,212	381	807 00
Anglaize	14,198	66,685	67,520	2,407	387	637 75
Belmont	82,552	68,660	539,149	2,868	962	2,323 69
Brown	66,494	65,520	49,650	2,745	363	836 50
Butler	19,364	36,985	21,021	1,853	260	876 00
Carroll	70,276	61,992	428,527	1,593	748	2,350 00
Champaign	39,719	54,868	147,442	1,710	576	1,220 50
Clarke	42,978	37,306	239,850	2,597	937	2,495 00
Clermont	29,547	45,063	33,414	3,526	388	1,141 00
Clinton	40,992	54,859	134,400	2,068	379	960 00
Columbiana	66,262	62,292	471,413	2,215	431	1,295 00
Coshocton	80,826	98,251	462,639	2,484	593	1,461 00
Crawford	32,875	53,215	240,703	2,056	530	961 00
Cuyahoga	74,635	47,992	90,076	2,700	532	1,431 00
Darke	25,301	102,666	53,041	3,411	686	1,173 00
Defiance	12,121½	68,641	71,851	1,302	286	473 75
Delaware	56,761	76,160	411,620	1,528	620	1,333 50
Erie	25,159½	22,206½	128,409	783	276	670 00
Fairfield	54,408	59,954½	137,256	3,802	594	1,539 50
Fayette	62,174	64,376	94,844	1,638	473	823 00
Franklin	44,734	69,609	120,557	3,419	770	1,937 00
Fulton	12,359	74,188	111,296	1,291	127	126 00
Gallia	45,576	80,902	56,305	2,572	702	1,349 00
Geauga	96,174	49,622	65,818	922	167	483 50
Greene	36,858	47,971	109,988	2,106	491	1,333 50
Guernsey	90,054	87,972	513,125	1,984	243	819 00
Hamilton	15,726	21,650	7,609	6,547	142	540 00
Hancock	30,456	95,365	173,665	2,648	690	1,608 00
Hardin	22,725	58,107	137,931	1,470	521	2,041 00
Harrison	85,263	53,700	770,596	1,741	362	1,185 00
Henry	4,275	56,410	42,009	1,103	126	277 00
Highland	64,986	67,634	58,138	2,706	706	1,563 50
Hocking	44,602	72,753	100,000	2,114	435	830 25
Holmes	38,101	57,803	196,029	1,243	359	1,096 00
Huron	62,688	68,464	343,904	1,598	327	698 00
Jackson	50,936	70,013	54,144	2,015	628	834 00
Jefferson	66,284	66,692	561,272	1,672	880	2,890 00
Knox	75,948	65,210	563,992	2,495	1,016	2,101 00
Lake	28,463	18,292	64,688	284	286	589 00
Lawrence	14,719	58,564	16,760	2,295	527	901 00
Licking	122,829	89,442	1,002,273	3,310	881	2,354 00
Logan	37,197	75,015	142,757	1,924	990	2,407 00
Lorain	96,420	74,574	255,935	1,426	551	1,390 00
Lucas	7,280	45,713	34,020	1,069	204	504 00
Madison	116,823	35,807	279,221	1,654	674	1,417 00
Mahoning	57,641	46,445	270,303	1,515	489	1,761 00
Marion	56,735	55,850	282,448	1,755	625	1,522 00
Medina	53,176	56,143	261,147	1,431	226	591 00
Meigs	39,615	73,385	74,205	1,968	511	1,069 00
Mercer	9,658	84,924	67,138	2,236	647	1,094 00
Miami	15,650	43,315	43,717	1,969	323	1,112 00
Monroe	47,964	80,771	100,356	2,470	590	1,100 50

Number of acres of Pasturage, Uncultivated Land, etc.—Continued.

COUNTIES.	PASTURAGE.	UNCULTIVATED LAND.	WOOL.	DOGS.	SHEEP KILLED.	
	No. acres.	No. acres.	Pounds shorn.	Total number.	No.	Value.
Montgomery	21,271	46,981	17,069	3,267	263	\$574 00
Morgan	60,581	86,375	231,408	2,435	583	1,306 00
Morrow	48,748	66,807	405,527	1,897	654	1,723 00
Muskingum	98,528	111,826	525,204	3,046	1,063	3,181 00
Noble	60,991	64,317	231,392	2,049	324	889 00
Ottawa	10,494	29,835	52,845	625	161	239 84
Paulding	3,712	42,205	14,387	744	390	495 00
Perry	74,182	62,329	294,953	2,046	471	1,229 00
Pickaway	63,987	53,039	71,661	3,778	668	1,505 00
Pike	33,165	65,136	30,424	2,188	631	1,003 00
Portage	105,682	64,449	168,750	1,563	577	946 00
Preble	27,126	64,984	31,509	1,981	388	1,205 00
Putnam	9,469½	81,182	69,155	1,730	451	717 00
Richland	40,018	74,811	241,466	2,121	785	1,758 00
Ross	68,358½	89,610	58,860	2,947	1,029	2,538 00
Sandusky	18,527½	65,210½	127,627	1,346	327	672 14
Scioto	15,138½	78,315	21,729	2,281	812	1,039 00
Seneca	32,091	84,927	299,377	2,586	621	1,343 00
Shelby	12,472	66,776	72,419	2,126	388	672 00
Stark	41,738	56,131	249,388	2,620	763	1,919 00
Summit	71,902	41,845	119,128	1,697	432	1,196 00
Trumbull	129,024	78,047	178,667	2,042	455	1,688 00
Tuscarawas	73,110	94,949	384,283	2,893	818	2,045 00
Union	49,874	61,207	284,737	1,435	492	1,316 65
Van Wert	7,028	86,844	52,683	1,745	535	726 00
Vinton	33,499	63,016½	121,590	1,653	390	683 00
Warren	28,496	43,315	54,853	2,139	1,472	1,213 31
Washington	64,681	119,517	191,363	3,760	173	2,687 00
Wayne	47,826	70,340	221,308	2,633	692	2,054 50
Williams	16,778	73,183	107,779	1,501	342	593 00
Wood	14,389	79,900	94,953	2,003	475	1,065 00
Wyandot	41,505	52,608	252,119	1,121	449	776 00
Totals	4,165,018½	5,738,009½	16,711,521	183,424	46,013	108,716 88

Sheep injured by Dogs, etc., Bonds, etc., exempt from taxation in 1870.

COUNTIES.	SHEEP INJURED.		Aggregate amount of injury to sheep by dogs.	Bonds, etc., exempt from taxation.
	No.	Estimate of injury done.		
Adams	90	\$133 00	\$596 00	\$32,643 00
Allen	345	479 00	805 00	12,087 00
Ashland	336	473 00	1,364 00	95,285 00
Ashtabula	183	261 00	1,268 00	203,072 00
Athens	104	150 00	927 48	20,867 00
Auglaize	127	206 00	843 75	55,200 00
Belmont	1,217	-----	2,323 69	251,979 00
Brown	150	219 00	1,048 50	143,527 00
Butler	187	-----	876 00	140,612 00
Carroll	-----	-----	1,124 00	44,418 00
Champaign	536	1,038 00	2,258 50	200,562 00
Clarke	308	647 00	3,142 00	336,295 00
Clermont	-----	252 00	1,393 00	134,884 00
Clinton	497	-----	960 00	143,500 00
Columbiana	386	607 00	1,902 00	190,782 00
Coshocton	237	335 00	1,783 00	156,328 00
Crawford	294	425 00	1,386 00	47,698 00
Cuyahoga	239	452 00	1,883 00	302,175 00
Darke	187	190 50	1,363 50	12,230 00
Defiance	95	108 50	582 25	5,900 50
Delaware	974	660 50	1,994 00	65,532 00
Erie	225	411 50	1,081 50	77,013 00
Fairfield	357	557 50	2,097 00	117,463 00
Fayette	189	282 00	1,105 00	8,312 00
Franklin	415	379 00	2,316 00	562,947 00
Fulton	262	525 00	651 00	16,618 00
Gallia	75	76 00	1,425 00	78,861 00
Geauga	172	108 00	591 50	95,431 00
Greene	410	883 00	2,216 50	110,537 00
Guernsey	356	587 00	1,406 00	105,067 00
Hamilton	54	163 00	703 00	1,413,040 00
Hancock	575	804 50	2,369 50	24,196 00
Hardin	133	278 00	2,319 00	10,795 00
Harrison	325	664 00	1,849 00	265,150 00
Henry	29	26 00	303 00	4,550 00
Highland	220	315 50	1,879 00	120,497 00
Hocking	124	200 00	1,030 25	43,781 00
Holmes	246	301 00	1,397 00	33,429 00
Huron	205	244 00	942 00	197,564 00
Jackson	202	188 50	1,022 00	143,848 00
Jefferson	313	617 00	3,507 00	130,865 00
Knox	641	1,425 50	3,526 50	54,691 00
Lake	165	138 00	727 00	349,550 00
Lawrence	41	41 00	942 00	49,927 00
Licking	789	1,525 00	3,879 00	109,150 00
Logan	416	506 00	2,903 00	19,507 00
Lorain	248	439 00	1,829 00	56,245 00
Lucas	77	88 50	592 50	47,908 00
Madison	498	529 00	1,946 00	26,936 00
Mahoning	357	1,108 00	2,869 00	309,225 00
Marion	377	844 00	2,366 00	47,669 00
Medina	456	611 00	1,131 00	37,810 00
Meigs	-----	118 00	1,187 00	63,118 00
Mercer	117	107 00	1,201 00	41,482 00
Miami	93	134 00	1,246 00	46,055 00
Monroe	257	260 50	1,361 00	102,194 00

Sheep injured by Dogs, etc., Bonds, etc., exempt from taxation in 1870—Con.

COUNTIES.	SHEEP INJURED.		Aggregate amount of injury to sheep by dogs.	Bonds, etc., exempt from taxation.
	No.	Estimate of injury done.		
Montgomery.....	110	\$186 50	\$760 50	\$147,476 00
Morgan.....	340	434 00	1,740 00	82,496 00
Morrow.....	299	593 00	2,316 00	27,000 00
Muskingum.....	699	1,198 00	4,379 00	266,767 00
Noble.....	51	77 00	966 00	93,863 00
Ottawa.....	294	532 00	771 84	27,300 00
Paulding.....	84	91 00	586 00	8,353 00
Perry.....	324	912 00	2,141 00	86,823 00
Pickaway.....	195	307 00	1,812 00	111,934 00
Pike.....	82	81 75	1,084 75	12,622 00
Portage.....	365	355 00	1,301 00	165,697 00
Preble.....	113	182 00	1,387 00	66,063 00
Putnam.....	90	99 00	816 00	6,293 00
Richland.....	464	727 00	1,585 00	144,439 00
Ross.....	434	528 75	3,066 75	113,337 00
Sandusky.....	113	45 00	717 14	137,413 00
Scioto.....	80	72 00	1,111 00	140,621 00
Seneca.....	354	592 00	1,935 00	92,400 00
Shelby.....	81	89 00	761 00	20,725 00
Stark.....	665	967 00	2,906 00	101,867 00
Summit.....	148	262 00	1,458 00	31,245 00
Trumbull.....	290	621 00	2,309 00	315,595 00
Tuscarawas.....	509	854 00	2,899 00	43,223 00
Union.....	283	462 00	1,778 65	22,664 00
Van Wert.....	150	113 00	909 00	19,564 00
Vinton.....	65	53 00	736 00	35,914 00
Warren.....	168	300 51	1,513 82	328,148 00
Washington.....	411	571 00	3,258 00	264,270 00
Wayne.....	391	1,135 00	3,189 50	181,187 00
Williams.....	97	127 00	720 00	9,110 00
Wood.....	201	362 50	1,427 50	36,110 00
Wyandot.....	323	389 00	1,165 00	49,525 00
Totals.....	23,985	34,360 51	143,009 89	10,707,030 50

Number and Value of Horses, Cattle and Mules for the year 1871.

COUNTIES.	HORSES.		CATTLE.		MULES.	
	No.	Value.	No.	Value.	No.	Value.
Adams	7,062	\$411,947	13,609	\$252,541	449	\$25,374
Allen	7,642	382,072	15,603	215,817	215	9,954
Ashland	8,354	559,829	22,180	407,121	125	8,688
Ashtabula	9,003	498,478	39,009	891,429	97	5,515
Athens	6,091	367,158	17,745	326,070	135	9,215
Auglaize	6,721	308,431	12,868	174,929	214	10,129
Belmont	10,686	852,325	23,414	571,863	245	21,420
Brown	8,716	528,157	15,338	316,290	593	38,203
Butler	10,860	860,342	17,493	441,710	489	46,902
Carroll	4,956	399,246	14,164	266,793	90	7,100
Champaign	9,190	722,109	18,128	498,364	352	27,877
Clarke	8,576	674,337	16,704	494,920	391	34,736
Clermont	8,976	606,020	12,904	318,208	840	69,310
Clinton	9,571	690,793	16,788	491,403	564	41,156
Columbiana	9,070	693,579	21,057	521,092	216	15,868
Coshocton	8,132	606,678	21,088	472,498	140	10,980
Crawford	8,115	501,337	17,809	316,300	103	6,090
Cuyahoga	13,177	867,134	26,586	650,925	253	17,335
Darke	11,759	758,262	22,961	384,330	342	23,781
Defiance	5,450	258,669	12,237	151,337	93	5,079
Delaware	8,437	601,828	18,088	389,268	171	12,315
Erie	6,124	342,623	10,867	202,721	79	4,194
Fairfield	10,528	684,345	23,997	522,378	363	21,510
Fayette	8,722	590,793	18,151	604,092	631	38,741
Franklin	14,414	1,025,406	22,290	597,119	407	32,970
Fulton	5,750	250,006	15,056	193,200	105	4,212
Gallia	6,176	387,712	15,832	314,039	338	24,980
Geauga	4,835	312,235	28,891	612,902	118	7,373
Greene	10,042	816,834	17,301	510,267	408	31,355
Guernsey	7,637	519,423	17,918	355,197	204	13,770
Hamilton	18,545	1,434,185	19,809	618,536	1,161	104,396
Hancock	9,983	466,382	22,076	269,478	149	7,231
Hardin	6,263	290,351	11,555	214,045	233	10,810
Harrison	5,590	430,575	14,872	336,677	160	9,300
Henry	4,236	167,291	9,166	98,798	68	3,220
Highland	10,887	672,734	21,311	524,364	850	51,920
Hocking	5,101	286,792	13,294	219,395	205	13,306
Holmes	7,132	386,621	17,490	218,770	202	7,880
Huron	9,570	557,177	25,846	551,742	130	6,140
Jackson	4,785	266,750	15,123	261,788	567	38,610
Jefferson	5,996	498,066	13,789	334,173	106	9,475
Knox	10,069	652,056	21,438	460,511	184	13,431
Lake	4,077	251,945	11,942	297,007	50	3,285
Lawrence	4,558	332,135	14,124	308,602	494	47,602
Licking	12,708	909,125	28,401	730,555	195	14,035
Logan	8,397	560,446	17,937	419,721	291	19,377
Lorain	9,426	534,928	36,285	817,407	113	5,975
Lucas	4,995	291,680	7,294	144,008	67	3,755
Madison	7,190	475,065	19,151	696,878	294	18,797
Mahoning	7,830	535,965	22,916	605,098	227	13,515
Marion	7,428	506,512	17,383	423,030	103	8,040
Medina	7,819	494,005	28,301	714,100	45	3,315
Meigs	5,319	394,169	14,102	357,027	199	23,830
Mercer	6,596	271,785	13,567	143,656	156	5,730

Number and Value of Horses, etc.—Continued.

COUNTIES.	HORSES.		CATTLE.		MULES.	
	No.	Value.	No.	Value.	No.	Value.
Miami	9,863	\$775,407	15,939	\$355,975	270	\$22,760
Monroe	6,252	417,318	16,716	352,360	105	6,940
Montgomery	12,735	985,920	19,054	393,555	260	21,373
Morgan	7,149	460,204	17,649	354,058	125	9,243
Morrow	8,178	543,757	18,759	398,143	121	8,910
Muskingum	11,935	846,739	30,394	692,596	231	18,285
Noble	6,646	469,911	17,749	323,945	136	9,241
Ottawa	3,476	188,954	7,064	110,548	44	2,064
Paulding	2,565	121,470	6,218	80,194	71	3,460
Perry	5,810	315,317	17,753	273,953	90	4,740
Pickaway	10,489	670,649	23,424	671,870	497	37,210
Pike	5,243	351,161	9,930	217,556	360	28,497
Portage	7,445	493,689	33,948	952,603	87	5,565
Preble	8,516	689,975	15,794	371,787	180	18,280
Putnam	5,600	274,492	14,836	171,296	132	5,713
Richland	9,320	761,370	20,225	418,051	188	15,515
Ross	11,657	853,258	22,794	709,086	468	41,925
Sandusky	8,225	452,187	16,218	226,007	143	6,115
Scioto	5,447	398,427	12,705	254,399	555	56,070
Seneca	10,558	627,454	20,621	291,252	125	7,155
Shelby	7,743	489,548	12,462	228,601	187	12,815
Stark	12,737	893,077	29,156	588,867	207	16,825
Summit	7,891	589,795	25,792	598,325	129	11,875
Trumbull	8,907	620,727	40,097	1,051,949	293	18,875
Tuscarawas	9,375	601,848	24,630	434,846	184	12,077
Union	7,633	532,088	14,581	380,555	271	17,295
Van Wert	5,232	261,070	11,342	184,240	139	7,727
Vinton	3,704	221,259	11,304	227,565	265	18,320
Warren	9,572	751,918	14,956	402,744	300	27,342
Washington	8,446	537,543	20,335	403,612	182	14,055
Wayne	11,842	799,252	32,193	572,036	224	17,540
Williams	6,914	370,408	15,720	188,634	81	4,311
Wood	8,146	417,065	18,192	264,089	135	8,344
Wyandot	6,829	374,767	14,442	265,925	182	7,800
Totals	711,349	\$46,902,789	1,646,440	\$35,642,484	21,986	\$1,593,383

Number and value of Sheep and Hogs for the year 1871.

COUNTIES.	SHEEP.		Hogs.	
	No.	Value.	No.	Value.
Adams	14,609	\$25,231	26,243	\$94,229
Allen	33,823	46,998	30,870	86,414
Ashland	64,849	118,158	25,024	87,590
Ashtabula	32,332	49,220	7,029	31,701
Athens	45,217	77,269	17,161	62,763
Auglaize	22,104	24,118	26,366	66,999
Belmont	148,256	352,484	27,695	132,277
Brown	14,557	24,941	33,169	145,455
Butler	6,005	17,224	43,036	286,721
Carroll	120,505	246,591	10,361	43,547
Champaign	34,192	84,823	32,489	154,709
Clarke	52,836	144,390	28,705	166,502
Clermont	10,246	21,696	29,187	117,917
Clinton	34,113	67,032	55,043	303,331
Columbiana	123,083	257,612	16,609	80,514
Coshocton	113,887	260,645	25,669	121,646
Crawford	60,479	108,529	27,791	106,255
Cuyahoga	24,813	45,377	9,308	44,863
Darke	17,397	27,094	44,320	180,468
Defiance	18,767	20,185	14,378	36,372
Delaware	95,888	167,167	27,949	135,451
Erie	34,355	44,632	11,073	41,253
Fairfield	32,233	57,252	43,801	181,119
Fayette	30,272	59,994	63,689	360,415
Franklin	32,191	65,364	54,543	261,967
Fulton	29,537	29,903	12,875	33,788
Gallia	18,567	24,300	16,230	54,624
Geauga	17,344	22,366	4,590	21,925
Greene	39,186	87,589	45,490	272,657
Guernsey	146,709	323,554	16,629	76,209
Hamilton	3,696	9,100	35,119	164,212
Hancock	45,864	45,932	37,240	86,936
Hardin	33,295	37,679	19,968	54,181
Harrison	193,775	485,452	11,947	59,552
Henry	11,316	11,333	8,571	26,634
Highland	19,874	34,201	47,818	221,827
Hocking	26,789	35,745	16,389	57,805
Holmes	57,473	77,569	24,169	76,001
Huron	77,715	122,413	18,729	80,024
Jackson	15,462	14,130	12,466	32,238
Jefferson	143,809	335,219	13,738	67,741
Knox	132,086	212,908	29,718	119,700
Lake	19,147	29,958	3,560	18,270
Lawrence	9,519	11,383	17,657	49,249
Licking	213,954	423,197	38,172	207,231
Logan	40,738	73,561	27,360	114,149
Lorain	55,162	96,857	12,816	54,209
Lucas	8,470	9,569	7,124	22,027
Madison	67,942	169,999	38,706	209,908
Mahoning	62,094	135,950	10,228	52,080
Marion	80,975	165,105	25,794	106,774
Medina	52,338	96,822	11,415	53,588
Meigs	15,408	38,720	13,346	52,659
Mercer	19,211	19,818	27,371	54,165
Miami	11,639	24,192	25,838	153,170
Monroe	31,090	55,680	17,725	62,009
Montgomery	5,685	12,998	35,495	183,058

Number and value of Sheep and Hogs for the year 1871—Continued.

COUNTIES.	SHEEP.		HOGS.	
	No.	Value.	No.	Value.
Morgan	66,398	\$113,729	21,211	\$71,043
Morrow	111,868	221,402	19,678	97,366
Muskingum	141,663	291,091	34,661	143,164
Noble	55,103	118,900	22,181	86,688
Ottawa	18,038	26,359	8,726	25,404
Paulding	6,533	7,459	7,281	13,650
Perry	65,896	80,315	15,956	54,594
Pickaway	18,739	32,785	63,493	288,997
Pike	13,027	17,727	18,655	74,901
Portage	41,572	88,999	8,824	47,306
Preble	8,752	19,691	38,255	217,688
Putnam	19,667	19,549	21,498	52,513
Richland	61,996	122,340	36,747	119,013
Ross	19,071	31,494	64,265	327,518
Sandusky	31,652	44,426	20,004	65,155
Scioto	9,901	13,760	16,253	60,691
Seneca	77,500	86,419	29,822	112,154
Shelby	19,416	35,239	22,992	84,682
Stark	67,451	100,769	31,881	113,353
Summit	31,481	51,273	13,268	64,280
Trumbull	41,375	82,256	8,395	40,199
Tuscarawas	102,164	169,539	23,799	89,169
Union	65,480	154,832	24,645	115,863
Van Wert	17,421	18,849	18,030	37,831
Vinton	20,719	32,936	8,916	29,209
Warren	15,692	37,943	36,151	242,216
Washington	49,057	76,090	19,914	72,052
Wayne	59,010	98,286	34,551	133,535
Williams	26,999	24,381	18,733	49,982
Wood	26,233	27,264	19,356	60,770
Wyandot	70,172	129,368	20,461	70,351
Totals	4,302,904	\$8,062,699	2,164,403	\$9,290,414

Number of Marriages, Wills admitted to Probate, Letters of Administration and Guardianship issued during the year, together with the number of Wards.

COUNTIES.	MARRIAGES.			WILLS, LETTERS OF ADMINISTRATION, ETC.						
	By license.	By banns.	Total.	Number of wills admitted to probate.	Number of letters of administration issued.	Number of letters of guardianship issued.	Number of children included.	Number of insane persons included.	Number of idiots included.	Number of aged persons included.
Adams	201	....	201	18	24	15	27	2	1	....
Allen	233	15	248	9	41	43	129	2	....	....
Ashland	199	....	199	27	34	35	63	....	....	1
Ashtabula	262	4	266	31	56	29	41	4	....	....
Athens	232	....	232	9	22	21	45	3	....	....
Auglaize	203	7	210	22	32	31	76	1	....	....
Belmont	326	....	326	28	54	40	79	1	5	....
Brown	246	....	246	32	21	25	41	1	....	1
Butler	377	5	382	40	81	52	94	6	....	....
Carroll	131	2	133	31	50	28	50	3	....	....
Champaign	216	1	217	12	20	36	64	....	1	2
Clarke	292	....	292	33	52	65	110	3	1	2
Clermont	295	....	295	41	79	31	65	1	....	2
Clinton	219	....	219	23	33	37	62	3	....	....
Columbiana	315	....	315	52	91	40	65	8	....	....
Coshocton .....	....	....	....	....	....	....	....	....	....	....
Crawford	227	1	228	30	36	32	59	2	1	2
Cuyahoga	1411	65	1476	112	115	99	233	8	....	....
Darke	267	2	269	19	51	55	132	2	....	1
Defiance	156	4	160	12	24	24	66	1	....	....
Delaware	225	....	225	30	49	32	86	3	....	....
Erie	255	6	261	23	26	37	83	4	3	5
Fairfield	290	1	291	29	65	41	71	3	....	....
Fayette	156	....	156	8	28	34	81	1	....	....
Franklin	672	3	675	51	92	69	144	3	....	....
Fulton	109	2	111	10	30	19	25	....	1	1
Gallia	305	....	305	20	46	25	47	....	....	2
Geauga	126	....	126	25	22	10	12	1	....	....
Greene	263	....	263	32	43	26	63	6	2	....
Guernsey	200	....	200	38	44	41	63	6	2	....
Hamilton	2445	126	2571	140	386	219	534	4	....	....
Hancock	251	....	251	23	29	41	80	1	2	....
Hardin	173	....	173	14	37	42	93	2	1	....
Harrison	162	....	162	26	28	20	55	....	....	....
Henry	112	....	112	8	11	26	70	....	....	....
Highland	241	....	241	38	61	61	107	5	....	....
Hocking	176	....	176	19	28	20	42	1	....	....
Holmes	164	....	164	26	37	22	40	1	1	....
Huron	260	....	260	23	42	31	61	1	....	....
Jackson	194	....	194	23	26	14	19	....	....	1
Jefferson	231	....	231	37	34	38	68	2	2	....
Knox	303	....	303	34	53	41	75	2	....	2
Lake	152	....	152	26	12	21	24	3	....	....
Lawrence	350	....	350	8	24	23	48	....	....	....
Licking	347	....	347	29	57	30	87	4	....	2
Logan	179	....	179	18	30	31	60	1	1	2

Number of Marriages, Wills, Letters of Administration, etc.—Continued.

COUNTIES.	MARRIAGES.			WILLS, LETTERS OF ADMINISTRATION, ETC.						
	By license.	By banns.	Total.	Number of wills admitted to probate.	Number of letters of administration issued.	Number of letters of guardianship issued.	Number of children included.	Number of insane persons included.	Number of idiots included.	Number of aged persons included.
Lorain	280	...	280	50	95	35	73	3	...	2
Lucas	386	40	426	27	61	42	80	21	2	...
Madison	146	...	146	6	22	12	19	...	2	...
Mahoning	208	...	208	36	32	23	35	2	3	...
Marion	144	...	144	181	22	24	44	1	...	2
Medina	199	...	199	33	16	26	35	2	...	...
Meigs	275	1	276	29	37	33	71	1	...	...
Mercer	137	14	151	18	24	16	37	...	...	...
Miami	231	...	231	26	57	44	86	3	2	...
Monroe	237	...	237	17	30	16	25	...	1	...
Montgomery	593	...	593	62	62	51	89	10	...	5
Morgan	189	...	189	13	22	22	47	1	4	...
Morrow	154	...	154	22	20	35	52	5	...	2
Muskingum	413	1	414	65	97	61	105	3	1	1
Noble	203	3	206	14	26	28	49	2	...	2
Ottawa	104	...	104	13	12	23	31	3	...	...
Paulding	85	...	85	2	7	7	13	...	...	...
Perry	142	...	142	21	19	26	64	2	...	1
Pickaway	208	...	208	11	36	33	65	2	...	...
Pike	139	...	139	3	24	21	45	...	...	...
Portage	217	...	217	30	24	50	45	5	...	...
Preble	185	...	185	23	37	20	32	7	...	...
Putnam	144	10	154	8	19	37	70	1	...	...
Richland	316	1	317	33	35	31	96	2	...	1
Ross	315	...	315	47	52	44	85	3	1	4
Sandusky	236	3	239	11	24	21	32	1	1	1
Scioto	280	...	280	17	27	39	89	1	...	...
Seneca	293	14	307	37	56	31	53	6	1	4
Shelby	216	7	223	8	28	26	41	1	...	1
Stark	480	4	484	48	36	42	100	1	...	2
Summit	316	...	316	36	55	53	114	3	...	2
Trumbull	319	...	319	46	37	47	61	5	...	1
Tuscarawas	328	...	328	28	49	37	71	1	1	...
Union	195	...	195	11	29	33	64	1	2	1
Van Wert	193	1	194	7	20	16	54	...	...	...
Vinton	132	1	133	8	9	12	29	...	...	...
Warren	201	1	202	49	43	32	65	2	...	2
Washington	412	...	412	36	52	46	106	3	...	...
Wayne	326	4	330	56	38	53	92	8	...	4
Williams	175	...	175	21	24	16	25	1	...	...
Wood	184	7	191	19	30	33	75	...	1	...
Wyandot	186	...	186	11	22	32	74	3	...	...
Totals	24,271	356	24,627	2578	3755	3088	6182	222	46	64

Number of Suits for Divorce brought within the year ending June 1, 1871.

Cause.	SUITS FOR DIVORCE.																	
	No. pending July 1, 1870.	No. brought during the year.	Total.	No. decided during the year.	No. still pending.	No. brought by husbands.	No. brought by wives.	No. brought by wives wherein alimony was allowed.	Results.					Custody of children.				
									Granted when brought by husband.	Granted when brought by wife.	Refused when brought by husband.	Refused when brought by wife.	Dismissed when brought by husband.	Dismissed when brought by wife.	No. of cases wherein question was raised.	Given to father.	Given to mother.	
Adultery	217	356	567	368	199	237	277	79	127	150	7	14	31	39	78	36	86	
Absence and neg- [lect	258	588	846	592	254	267	495	125	139	306	17	14	46	70	107	18	115	
Cruelty	132	290	422	267	155	54	327	70	19	153	11	23	3	58	50	5	70	
Drunkenness	76	155	231	129	105	24	180	37	9	83	4	6	1	23	31	7	46	
Fraud	20	44	64	39	25	24	32	5	11	16	1	5	3	3	1	1	1	
Miscellaneous....	19	106	125	91	34	25	80	24	18	46	5	8	4	10	28	6	27	
Totals	722	1839	2255	1486	772	631	1391	340	323	754	45	70	88	203	295	73	345	

Number of Births reported to the Probate Courts within the year ending July 1, 1871.

COUNTIES.	BIRTHS.										TOTALS.
	LEGITIMATE.					ILLEGITIMATE.					
	Male.		Female.		Sex not reported.	Male.		Female.			
	White.	Colored.	White.	Colored.		White.	Colored.	White.	Colored.		
Adams	283	.....	235	.....	.....	3	3	4	3	531
Allen	289	5	350	11	.....	2	.....	.....	1	658
Ashland	195	1	209	1	.....	.....	.....	.....	.....	406
Ashtabula	293	.....	286	.....	1	.....	.....	2	.....	582
Athens	259	10	214	13	.....	2	.....	3	.....	501
Auglaize	367	.....	368	.....	.....	.....	.....	.....	1	736
Belmont	376	15	388	14	.....	1	.....	2	.....	796
Brown	380	28	394	21	.....	.....	.....	.....	.....	823
Butler	373	2	347	5	.....	1	.....	1	.....	729
Carroll	182	.....	173	.....	.....	4	.....	1	.....	360
Champaign	247	15	227	14	.....	.....	.....	.....	.....	503
Clarke	320	32	319	32	.....	.....	.....	.....	.....	703
Clermont	469	15	401	18	.....	2	.....	7	.....	912
Clinton	242	3	253	8	.....	.....	1	.....	.....	507
Columbiana	495	1	475	.....	.....	.....	.....	.....	.....	971
Coshocton .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crawford	313	2	285	2	.....	.....	1	.....	.....	603
Cuyahoga	1874	2	1703	1	.....	.....	.....	.....	.....	3580
Darke	454	6	465	7	.....	2	.....	.....	1	938
Defiance	211	.....	187	1	.....	.....	.....	3	.....	399
Delaware	225	3	215	3	.....	3	.....	.....	.....	450
Erie	324	4	318	2	.....	1	.....	1	.....	649
Fairfield	339	7	320	4	.....	3	.....	.....	.....	675
Fayette	241	11	196	9	.....	5	2	2	.....	465
Franklin	728	19	624	20	.....	10	.....	3	1	1409
Fulton	224	.....	218	.....	.....	2	.....	5	.....	442
Gallia	322	44	269	34	.....	.....	.....	.....	3	676
Geauga	114	.....	116	.....	.....	3	4	2	.....	230
Greene	218	24	207	32	.....	.....	.....	.....	6	497
Guernsey	280	3	268	5	.....	6	1	3	.....	556
Hamilton	1927	30	2025	18	.....	4	.....	2	2	4013
Hancock	343	3	338	3	.....	4	.....	4	.....	691
Hardin	270	1	237	1	.....	2	.....	.....	.....	514
Harrison	203	8	161	6	.....	1	.....	1	.....	381
Henry	187	.....	208	.....	.....	1	.....	.....	.....	396
Highland	374	16	355	13	2	5	.....	.....	.....	761
Hocking	233	4	219	2	.....	.....	.....	.....	.....	463
Holmes	230	.....	215	.....	.....	.....	.....	.....	.....	445
Huron	338	3	282	3	.....	1	.....	1	1	628
Jackson	292	7	288	1	4	5	.....	.....	.....	597
Jefferson	378	13	352	20	.....	2	1	1	.....	768
Knox	209	2	195	2	.....	6	.....	4	.....	418
Lake	101	.....	111	.....	.....	.....	.....	.....	.....	212
Lawrence	414	8	436	10	.....	10	.....	11	.....	889
Licking	377	.....	358	.....	.....	2	.....	.....	.....	737
Logan	260	10	234	10	.....	1	3	5	2	525
Lorain	303	4	267	1	.....	.....	.....	.....	.....	575
Lucas	540	5	430	1	.....	6	.....	7	.....	989

Number of Births reported to Probate Courts.—Continued.

COUNTIES.	BIRTHS.										TOTALS.
	LEGITIMATE.					ILLEGITIMATE.					
	Male.		Female.		Sex not reported.	Male.		Female.			
	White.	Colored.	White.	Colored.		White.	Colored.	White.	Colored.		
Madison.....	239	7	207	9	.....	2	.....	.....	1	465
Mahoning.....	396	5	383	2	.....	1	.....	.....	.....	787
Marion.....	215	2	212	1	.....	3	.....	4	.....	437
Medina.....	191	.....	192	.....	.....	.....	.....	2	.....	385
Meigs.....	436	13	411	18	.....	2	3	1	1	885
Mercer.....	230	2	192	4	.....	1	.....	2	.....	431
Miami.....	299	7	279	6	4	.....	1	.....	.....	596
Monroe.....	357	1	350	.....	.....	.....	.....	.....	.....	708
Montgomery.....	697	8	635	4	.....	.....	.....	.....	.....	1344
Morgan.....	253	3	251	3	.....	.....	.....	.....	.....	510
Morrow.....	180	.....	145	1	.....	.....	1	.....	.....	327
Muskingum.....	505	7	480	12	.....	5	.....	5	1	1015
Noble.....	316	.....	261	.....	.....	.....	1	.....	.....	578
Ottawa.....	151	.....	140	.....	.....	.....	.....	.....	.....	291
Paulding.....	132	2	147	2	15	.....	.....	.....	.....	298
Perry.....	221	.....	238	.....	.....	3	.....	2	.....	464
Pickaway.....	267	11	287	17	.....	3	.....	4	.....	589
Pike.....	161	4	160	15	.....	1	.....	2	.....	343
Portage.....	168	.....	181	.....	.....	.....	.....	1	.....	350
Preble.....	263	.....	259	.....	13	.....	.....	.....	.....	535
Putnam.....	273	.....	201	.....	.....	.....	.....	1	.....	475
Richland.....	391	2	388	1	.....	.....	.....	.....	.....	782
Ross.....	373	24	366	27	.....	.....	.....	.....	.....	790
Sandusky.....	318	.....	273	.....	.....	7	.....	4	.....	602
Scioto.....	394	10	378	3	.....	16	.....	21	1	822
Seneca.....	337	1	302	1	.....	.....	.....	.....	.....	641
Shelby.....	185	.....	196	.....	.....	.....	.....	.....	.....	381
Stark.....	706	1	650	2	3	4	.....	.....	.....	1366
Summit.....	439	5	366	7	.....	.....	.....	.....	.....	817
Trumbull.....	416	.....	389	1	.....	.....	.....	.....	.....	806
Tuscarawas.....	471	.....	368	1	.....	.....	.....	.....	.....	840
Union.....	197	5	216	3	6	.....	1	.....	.....	428
Van Wert.....	198	1	203	.....	.....	.....	.....	.....	.....	402
Vinton.....	183	.....	177	.....	9	4	.....	7	.....	380
Warren.....	217	4	227	9	.....	6	1	1	1	466
Washington.....	480	4	424	14	.....	.....	.....	.....	.....	922
Wayne.....	429	.....	430	.....	.....	.....	.....	.....	.....	859
Williams.....	223	.....	240	.....	.....	1	.....	1	.....	465
Wood.....	308	.....	275	.....	.....	1	.....	.....	.....	584
Wyandot.....	277	1	223	.....	.....	.....	.....	.....	.....	501
Totals.....	30,118	496	28,433	511	57	160	24	132	26	59,957	

Number of deaths reported within the year 1871, giving sex and color.

	WHITE.		BLACK.		Sex not reported	Total.
	Male.	Female.	Male.	Female.		
Ordinary causes	11,927	10,921	319	307	73	23,547
Epidemics, etc.....	448	352	26	25	3	854
Accidents, etc.....	554	168	18	8	.....	748
Totals	12,929	11,441	363	340	76	25,149

Number of deaths reported by the several Probate Judges within the year ending March 31, 1871.

AGE AT DEATH.

	Still born.	Under 7.	7 to 14.	14 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 to 110.	Age not given.	Totals.
Ordinary causes..	1017	8462	1105	1306	2275	1687	1536	1486	1815	1673	868	155	10	152	23547
Epidemics, etc...	46	438	71	35	51	52	41	26	36	22	6	2	...	28	854
Accidents, etc. ...	13	136	61	75	135	104	64	84	42	20	1	....	...	13	748
Totals.....	1076	9036	1237	1416	2461	1843	1641	1596	1893	1715	875	157	10	193	25149

Number of persons naturalized in the State for the year ending July 1st, 1871.

COUNTIES.	England, Scotland, and Wales.	Canada.	Ireland.	Germany.	Other countries.	Total.
Adams.....			2	2	.....	4
Allen.....	4		3		.....	7
Ashland.....	3		2	1	1	7
Ashtabula.....	5		5		.....	10
Athens.....	4		2		.....	6
Anglaize.....	2			15	.....	17
Belmont.....	1		24	5	.....	30
Brown.....				6	4	10
Butler.....	2		25	36	2	65
Carroll.....	3	1			.....	4
Champaign.....	1		5	2	.....	8
Clarke.....	7		14	10	1	32
Clermont.....			3	5	3	11
Clinton.....			1		.....	1
Columbiana.....	20		7	4	2	33
Coshocton.....					.....
Crawford.....	3		1	4	4	12
Cuyahoga.....	79	22	139	66	54	360
Darke.....			5	7	4	16
Defiance.....	1	12	1	6	1	21
Delaware.....	3		9	6	1	19
Erie.....	2	2	11	28	2	45
Fairfield.....	2		3	9	1	15
Payette.....			3	3	.....	6
Franklin.....	7		6	13	2	28
Fulton.....	1		2		.....	3
Gallia.....	3			2	.....	5
Geauga.....	2		2		.....	4
Greene.....			2	3	1	6
Guernsey.....			6		.....	6
Hamilton.....	27		176	249	23	475
Hancock.....				3	1	4
Hardin.....			1	8	.....	9
Harrison.....				1	1	2
Henry.....				5	.....	5
Highland.....			2	1	3	6
Hocking.....	1	1	3	2	.....	7
Holmes.....	1			2	1	4
Huron.....	6	1	9	2	3	21
Jackson.....	8	1	9	3	.....	21
Jefferson.....	1			9	1	11
Knox.....	1		2	1	.....	4
Lake.....	5		17	2	.....	24
Lawrence.....	3		7	8	1	19
Licking.....	9	1	8	10	3	31
Logan.....	1		1		.....	2
Lorain.....	8	2	4	21	2	37
Lucas.....	20			75	12	107
Madison.....	2		6	1	.....	9
Mahoning.....	13		6	4	.....	23
Marion.....		1	5	7	.....	13

*Number of persons naturalized in the State for the year ending July 1st,
1871—Continued.*

COUNTIES.	England, Scotland, and Wales.	Canada.	Ireland.	Germany.	Other countries.	Total.
Medina	1	.....	1	1	.....	2
Meigs	17	.....	.....	6	2	26
Mercer .....	.....	1	.....	.....	2	3
Miami	1	.....	.....	9	1	11
Monroe	2	.....	.....	5	4	11
Montgomery	37	.....	.....	78	10	125
Morgan	2	.....	.....	.....	.....	2
Morrow	1	.....	3	2	1	7
Muskingum	6	.....	8	11	2	27
Noble .....	.....	.....	1	4	.....	5
Ottawa .....	.....	.....	.....	.....	.....	.....
Paulding .....	.....	.....	1	.....	.....	1
Perry	1	.....	.....	.....	.....	1
Pickaway .....	.....	1	2	4	.....	7
Pike	1	.....	.....	1	.....	2
Portage	5	.....	7	1	1	14
Preble .....	.....	.....	5	3	.....	8
Putnam	4	.....	3	7	.....	14
Richland	2	.....	.....	.....	1	3
Ross .....	.....	.....	3	12	1	16
Sandusky	2	.....	3	10	1	16
Scioto	3	.....	4	11	.....	18
Seneca .....	.....	1	2	11	.....	14
Shelby	1	.....	2	7	.....	10
Stark	4	.....	4	14	5	27
Summit	12	2	12	13	2	41
Trumbull	66	2	61	16	.....	145
Tuscarawas	9	.....	10	1	3	23
Union	1	.....	1	.....	.....	2
Van Wert	3	.....	.....	4	.....	7
Vinton .....	.....	.....	1	1	2	4
Warren	4	.....	2	16	.....	22
Washington	3	.....	7	10	.....	20
Wayne	3	.....	.....	8	6	17
Williams	1	.....	.....	8	1	10
Wood	6	.....	.....	6	1	13
Wyandot .....	.....	.....	1	3	1	5
Totals	459	51	683	925	181	2299

Violent and unnatural Deaths, and number of Inquests, held in the year ending July 1st, 1871.

COUNTIES.	Homicide.	Suicide.	Killed by accident.	Died of violent and unnatural diseases.	Total.	Number of above deaths superinduced by intemperance.	Number of inquests held.
Adams	1				1		1
Allen	1		1		2		2
Ashland							
Ashtabula			2	1	3	1	1
Athens			5	2	7	1	3
Anglaize		1			1		
Belmont							
Brown							
Butler							
Carroll		1			1		1
Champaign							
Clarke		1	2	1	4	1	2
Clermont							
Clinton	1	1			2		2
Columbiana		1	1		2		3
Coshocton							
Crawford		2	2		4	2	4
Cuyahoga							
Darke	1			1	2	1	2
Defiance	2		1		3	1	3
Delaware							
Erie			14		14	2	16
Fairfield	1		3	2	6	1	6
Fayette	1	9	2		12	2	1
Franklin	6	2	9	3	20	6	20
Fulton							
Gallia	1	1	4	1	7	1	7
Geauga	1	1		1	3	1	2
Greene							
Guernsey	4		4		8	3	4
Hamilton	12	28	140	107	287	24	251
Hancock			1	2	3		1
Hardin			2	1	3	1	
Harrison							
Henry							
Highland							
Hocking	2			1	3	1	3
Holmes			2	1	3	1	
Huron		1	2		3	1	2
Jackson	1		1	1	3		3
Jefferson			6	4	10		
Knox							
Lake			2		2	1	4
Lawrence							
Licking		2	3	2	7		7
Logan			3		3		
Lorain							
Lucas							
Madison							
Mahoning			6		6	1	4
Marion	1		3		4		4
Medina			1		1		

Violent and unnatural Deaths, and number of Inquests, held in the year ending July 1st, 1871—Continued.

COUNTIES.	Homicide.	Suicide.	Killed by accident.	Died of violent and unnatural diseases.	Total.	Number of above deaths superinduced by intemperance.	Number of inquests held.
Meigs							
Mercer							
Miami	2	2	1		5	1	4
Monroe							
Montgomery	6	4	14	13	37	10	47
Morgan							
Morrow		2			2		2
Muskingum			4	2	6		6
Noble	2	16	8	7	23	5	6
Ottawa							
Paulding							
Perry		1			1		1
Pickaway		1	2		3	2	3
Pike							
Portage						1	1
Preble		1	1		2	1	2
Putnam							
Richland	1	4		2	7	1	7
Ross							
Sandusky			2		2		
Scioto		1	8		9	1	9
Seneca							
Shelby	1				1	2	3
Stark		1	4		5		6
Summit							
Trumbull							
Tuscarawas							
Union			2	1	3		3
Van Wert							
Vinton							
Warren	1	3	2	4	10	4	6
Washington		1	2	1	4	1	3
Wayne		1	3		4		1
Williams							
Wood							
Wyandot			2		2		2
Totals	49	79	277	161	566	82	471

Prosecutions for Statutory Crimes, and their results.

Nature of Crime.	No. of persons against whom indictments were pending July 1, 1870.	No. of persons against whom indictments were found within the year.	Total.	No. of persons prosecuted within the year.	No. of persons against whom indictments were pending July 1, 1871.	RESULT OF PROSECUTION.								No. of cases wherein defendant's counsel was paid by county.	Average allowance, under each class of crime, to defendant's counsel.	No. of crimes probably committed under the influence of intoxicating liquors.
						Nolle prosequi.	Death previous to termination of prosecution.	Imprisoned in penitentiary.	Imprisoned in county jail only.	Fined only.	Fined and imprisoned in county jail.	Acquitted.	No. of persons against whom indictments were dropped, laid away, etc.			
Bigamy	7	5	12	5	3	4	1	4	4	...	...	1	...	11	40	...
Incest	6	1	7	...	6	1	...	...	...	...	...	...	...	...	...	...
Perjury and subornation of perjury	32	37	69	10	30	18	1	...	4	...	...	5	9	3	25	1
Riot	18	120	138	27	77	32	...	...	14	...	9	4	2	...	...	6
Adultery	7	13	20	7	5	3	...	...	1	...	3	2	...	1	20	1
Fornication	4	4	8	...	4	4	...	...	...	...	...	...	...	...	...	...
Libel	1	7	8	...	7	1	...	...	...	...	...	...	...	...	...	...
Bribery and attempt to bribe	3	3	3	2	...	1	...	...	...	...	1	1	...	...	...	...
Betting on elections .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Offenses against the liquor law	739	2396	3135	1401	687	894	10	...	5	1255	51	5	143	...	...	48
Offenses against the gambling law	87	106	193	72	65	26	...	...	1	88	1	5	30	...	...	2
Seduction	2	3	5	...	5	...	...	...	...	...	...	...	...	...	...	...
Carrying or wearing concealed weapons	5	15	20	11	4	2	...	...	...	7	1	2	3	...	...	1
Keeping houses of ill fame	104	98	202	61	49	71	...	...	1	53	3	4	21	...	...	...
Illegal voting, or obtaining or permitting the same	8	13	21	4	5	9	1	...	1	2	...	1	2	...	...	...
All other statutory offenses	42	80	122	53	34	22	3	1	...	37	2	6	13	...	...	...
Totals	1062	2901	3963	1653	984	1088	15	5	9	1460	71	120	225	15	...	59

Prosecutions for Crimes against Property and their results, in Ohio, for the year ending July 1, 1871.

NATURE OF CRIME.	RESULT OF PROSECUTION.																	No. of crimes probably committed under the influence of intoxicating liquors.
	No. of persons against whom indict- ments were pending July 1, 1870.	No. of persons against whom indict- ments were found within the year.	Total.	No. of persons prosecuted during the year.	No. of persons against whom indict- ments are still pending.	Nolle Prosequi.	Death previous to termination of prosecution.	Imprisoned in penitentiary.	Imprisoned in county jail only.	Fined only.	Fined and imprisoned in county jail.	Sent to reform farm.	Ordered to make restitution.	Acquitted.	No. persons against whom indict- ments were drop'd, laid away, etc.	No. of cases wherein defendant's counsel was paid by county, in each class of crime.	Average allowance, under each class of crime, to defendant's counsel.	
Arson or attempt to commit arson	21	30	51	13	25	10	...	5	...	...	...	2	...	7	3	3	66	...
Burglary	96	216	312	163	87	48	...	105	9	4	11	7	3	25	26	60	33	10
Grand Larceny	140	268	408	163	132	59	...	80	29	13	13	3	16	24	54	56	21	21
Petit Larceny	51	226	277	140	48	76	2	1	46	27	49	5	17	9	11	32	15	18
Receiving, buying or concealing stolen property	18	9	27	8	4	13	...	1	1	3	...	...	...	...	3	2	14	...
Forging and uttering forged instruments	54	67	121	25	58	32	...	14	...	...	...	1	1	9	6	9	42	7
Horse stealing or concealing stolen horse or horse thief.	40	51	91	37	31	12	1	22	1	...	...	...	...	10	10	18	26	11
Counterfeiting and passing counterfeit money	7	...	7	1	2	3	...	...	...	...	...	...	...	1	1	...	...	...
Selling or conveying land without title	4	1	5	...	3	1	...	...	...	...	...	...	...	...	1	...	...	...
Injuring railroad or obstructing track	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Issuing false or fictitious bills of lading or warehouse rec'ts	2	...	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Burning property	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Embezzlement	61	42	103	9	53	23	...	2	1	1	2	...	...	3	18	5	25	...
Obtaining money under false pretenses	19	24	43	14	17	9	...	...	1	2	3	...	1	7	3	1	30	1
Malicious destruction of property	25	31	56	12	16	11	...	...	2	...	...	1	1	8	17	2	10	...
Altering ear mark or brand	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Forging brand, stamp or label	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	540	972	1512	588	479	301	3	229	88	55	78	19	39	106	153	200	...	68

Report of Statistics of Offenses against the Person, and of Divorces, in Ohio, for the year ending July 1, 1871.

NATURE OF CRIME.	RESULT OF PROSECUTION.																	No. of persons against whom in- dictments were pending July 1, 1870.	No. of persons against whom in- dictments were found during the year.	Total.	No. of persons prosecuted during the year.	No. of persons against whom in- dictments are still pending.	Final.										Not Final.	No. of cases wherein defendant's counsel was paid by county in each class of crime.	Average allowance, under each class of crime, to defendant's counsel.	No. of crimes probably commit- ted under the influence of in- toxicated liquor.
	Nolle prosequi.	Executed.	Imprisoned in penitentiary.	Imprisoned in coun- ty jail only.	Fined only.	Fined and imprison- ed in county jail.	Sent to reform farm.	Acquitted.	Death previous to termination of prosecution.	Persons agst whom indictments were dropt, laid away, etc.	Total.	Final.																								
												Failure to arrest.																								
Murder in the first degree	25	36	61	22	24	10	1	15	...	...	...	...	...	...	7	1	4	...	...	...	10	95	6				
Murder in the second degree	15	31	46	26	12	5	1	13	...	...	...	...	...	...	12	...	3	...	...	...	7	86	9				
Manlaughter	10	15	25	8	9	7	...	3	...	...	...	...	...	...	4	...	1	...	...	...	6	75	8				
Dueling	1	2	3	1	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...					
Administering poison with intent to kill	5	10	15	2	10	3	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...					
Procuring abortion, or attempting the same	16	22	38	12	14	11	...	6	...	...	...	...	...	...	5	...	1	...	...	...	4	57	3				
Rape	4	4	4	...	...	2	...	...	...	...	...	...	...	...	1	...	2	...	...	...	...	...	...							
Kidnapping	3	4	7	1	4	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...					
Seduction	2	2	2	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...							
Mayhem	31	33	64	19	18	12	...	12	...	...	...	...	...	...	6	...	15	...	...	...	8	30	5				
Robbery (S. & C., p. 406, sec. 15)	36	77	113	38	37	27	...	5	...	...	...	...	...	...	14	...	11	...	...	...	7	30	28				
Assault with intent to kill	8	30	38	23	10	13	...	6	...	...	...	...	...	...	6	...	2	...	...	...	14	25	5				
Assault with intent to commit rape .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Assault with intent to commit mayhem	78	168	246	105	85	43	...	31	...	...	...	...	...	...	22	...	1	...	...	...	17	45	58				
Shooting, stabbing, cutting, etc., with intent	192	504	696	361	170	121	...	26	...	...	...	...	...	...	39	...	9	...	...	...	3	16	150				
Assault and battery	1	1	2	...	1	1	...	...	...	...	...	...	...	...	3	...	7	...	...	...	12	16	150		
Sending threatening letters .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Child stealing .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Offenses under section 3, S. & C., p. 372 b	10	6	16	12	3	1	...	9	...	...	...	...	...	...	3	...	...	...	...	...	1	15	5		
Totals	437	939	1376	630	398	260	3	91	48	297	37	3	122	46	60	7	3	86	...	...	...	...	279									

Costs, Fines, Forfeited Recognizances and Civil Judgments in each county within the year ending July 1, 1871.

COUNTIES.	COSTS IN CRIMINAL CASES.			FINES.			FORFEITED RECOGNIZANCES.			CIVIL JUDGMENTS.	
	Total amount of costs.	Amount of costs taxed against defendants.	Amount of costs collected.	Total amount of fines assessed.	Amount of fines collected.	Amount of fines probably collectable.	Amount of forfeited recognizances.	Amount collected on forfeited recognizances.	Probable amount collectable on forfeited recognizances.	Number.	Amount.
Adams	\$345 52	\$164 69	\$54 45	\$35 00	\$25 00	\$155 00	.....	.....	.....	105	38,531 92
Allen	1,939 11	1,363 60	.....	175 00	.....	.....	.....	.....	.....	252	46,739 00
Ashland	930 00	660 00	200 00	240 00	210 00	10 00	\$700 00	.....	\$700 00	123	65,988 04
Ashtabula	940 74	841 44	476 85	545 00	259 30	50 00	600 00	.....	600 00	178	90,559 49
Athens	1,213 15	462 30	272 60	705 25	260 25	250 00	.....	.....	.....	142	49,903 84
Anguila	59 25	59 25	59 25	25 00	25 00	.....	.....	.....	.....	72	35,526 25
Belmont	2,298 35	1,377 80	378 00	105 00	105 00	.....	.....	\$200 00	.....	106	77,691 42
Brown	666 10	.....	.....	110 00	.....	.....	50 00	.....	.....	221	87,520 00
Buier	1,739 33	1,580 82	280 00	485 01	100 00	50 00	900 00	.....	400 00	305	364,687 21
Carroll	748 71	647 71	407 89	360 00	340 00	.....	.....	.....	.....	45	23,783 57
Champaign .....	.....	1,464 82	870 25	633 00	463 00	20 00	900 00	600 00	300 00	175	148,477 59
Clarke	1,933 00	1,933 00	543 00	1,293 00	886 00	382 00	800 00	.....	800 00	160	65,357 00
Clermont	1,068 00	479 00	.....	135 00	5 00	.....	500 00	.....	.....	218	104,741 00
Clinton	2,426 47	792 64	385 33	345 00	245 00	50 00	300 00	.....	300 00	74	67,259 50
Columbia	2,285 30	1,852 84	1,105 32	2,486 20	1,983 74	48 97	50 00	.....	50 00	125	102,123 86
Cochocton	1,404 38	659 53	244 90	615 00	410 00	125 00	300 00	.....	300 00	67	42,053 44
Crawford	476 10	381 45	.....	67 00	25 00	50 00	.....	.....	.....	103	61,478 72
Cuyahoga	7,926 30	6,778 92	340 72	711 00	585 00	.....	3,300 00	400 00	.....	493	579,423 15
Darke	502 25	199 35	193 35	80 00	35 00	10 00	.....	.....	.....	102	41,915 07
Defence	1,211 00	1,095 00	133 00	460 00	165 00	.....	100 00	100 00	.....	28	8,579 58
Delaware	1,507 85	1,245 08	484 91	1,380 00	1,125 00	50 00	.....	.....	.....	146	71,127 37
Erie	207 47	50 00	6 00	207 97	.....	.....	500 00	.....	500 00	212	95,963 22
Fairfield	1,272 02	727 74	253 40	113 00	65 00	27 00	100 00	42 25	.....	207	84,731 81
Fayette	1,169 99	832 36	562 50	1,065 00	305 00	215 00	.....	.....	.....	97	57,478 90

Franklin	4,902 00	3,407 82	2,306 52	640 00	135 00	.....	1,000 00	1,000 00	.....	292	217,949 53
Fulton.....	672 25	672 25	.....	.....	.....	.....	.....	.....	.....	50	20,686 04
Gallia.....	1,641 27	755 37	177 65	420 00	245 00	.....	280 00	.....	.....	84	37,413 05
Geauga.....	1,455 43	152 35	.....	85 00	.....	.....	.....	.....	.....	24	19,258 17
Greene.....	967 69	900 26	351 00	1,440 00	797 00	.....	500 00	.....	500 00	296	184,323 80
Guernsey.....	1,640 00	1,004 00	147 00	376 00	126 00	.....	.....	.....	.....	67	38,115 67
Hamilton.....	6,493 00	.....	.....	10,870 00	9,003 00	.....	6,100 00	100 00	.....	2,538	1,713,904 27
Hancock.....	1,416 00	616 00	275 00	146 00	135 00	.....	300 00	300 00	.....	104	88,400 00
Hardin.....	298 77	23 36	75 12	325 00	300 00	.....	.....	.....	.....	208	41,217 91
Harrison.....	346 70	346 70	262 70	360 00	235 00	.....	800 00	.....	800 00	91	27,612 86
Henry.....	196 50	196 50	133 60	20 00	20 00	.....	500 00	.....	.....	72	26,861 96
Highland.....	50 00	.....	.....	30 00	80 00	.....	.....	.....	.....	64	54,396 43
Hocking.....	.....	144 00	.....	65 00	79 00	.....	.....	.....	.....	54	14,247 73
Holmes.....	427 80	147 80	.....	20 00	.....	.....	.....	.....	.....	120	30,000 00
Huron.....	3,285 11	1,710 59	1,605 53	1,795 00	1,683 00	.....	822 00	822 00	.....	56	47,579 51
Jackson.....	439 39	605 61	445 82	1,063 00	473 00	.....	250 00	.....	.....	122	70,813 04
Jefferson.....	800 00	48 00	.....	25 00	.....	.....	800 00	.....	157 00	93	53,594 57
Knox.....	1,737 40	582 34	310 17	670 00	856 90	.....	1,000 00	1,000 00	.....	218	37,725 83
Lake.....	1,784 92	560 84	321 06	230 00	130 00	.....	1,500 00	.....	.....	46	36,726 50
Lawrence.....	.....	.....	.....	235 00	460 00	.....	700 00	.....	1,000 00	77	45,482 10
Licking.....	812 63	365 50	142 96	520 00	150 00	.....	3,000 00	500 00	.....	141	78,800 39
Logan.....	1,102 00	579 00	172 00	520 00	180 00	.....	.....	.....	.....	176	64,891 00
Lorain.....	2,683 20	380 54	628 47	740 00	540 90	.....	.....	.....	.....	93	35,139 89
Lucas.....	3,641 21	2,315 30	103 61	270 00	220 00	.....	3,000 00	.....	2,500 00	117	396,912 00
Madison.....	194 60	194 60	.....	120 00	86 10	.....	.....	.....	.....	68	55,573 70
Mahoning.....	2,723 72	740 08	323 31	290 00	180 00	.....	100 00	.....	100 00	141	83,227 76
Marion.....	455 47	271 19	57 50	135 00	60 00	.....	100 00	.....	100 00	116	83,878 11
Medina.....	210 33	210 33	184 43	455 00	395 00	.....	.....	.....	.....	31	9,232 38
Meigs.....	664 55	383 49	164 97	206 00	60 00	.....	400 00	.....	400 00	131	62,037 91
Mercer.....	128 46	115 00	.....	.....	.....	.....	.....	.....	.....	47	20,172 71
Miami.....	1,860 47	236 98	447 43	460 00	315 00	.....	.....	.....	.....	134	160,919 52
Monroe.....	519 90	519 90	25 45	36 00	10 00	.....	600 00	200 00	100 00	65	23,860 00
Montgomery.....	8,301 82	6,689 77	.....	244 01	.....	.....	2,300 00	.....	.....	627	286,902 13
Morgan.....	851 23	240 55	237 16	115 10	50 00	.....	100 00	.....	100 00	106	102,024 66
Morrow.....	1,416 17	680 14	60 00	185 00	.....	.....	.....	.....	.....	64	24,166 29
Muskingum.....	784 34	423 37	.....	110 00	10 00	.....	.....	.....	.....	93	68,690 67
Noble.....	395 95	395 95	172 15	175 00	56 00	.....	.....	.....	.....	50	29,247 50
Ottawa.....	2,336 00	72 00	.....	2,336 00	.....	.....	.....	.....	.....	324	41,819 00
Paulding.....	1,440 00	1,280 00	310 00	75 00	20 00	.....	500 00	.....	500 00	47	16,729 00
Perry.....	124 00	99 00	.....	17 00	1 00	.....	.....	.....	.....	68	46,525 00
Pickaway.....	988 20	805 25	54 10	50 00	50 00	.....	.....	.....	.....	174	116,890 50
Pike.....	170 50	170 58	.....	130 00	20 00	.....	.....	.....	.....	131	45,955 55

Costs, Fines, Forfeited Recognizances and Civil Judgments in each county—Continued.

COUNTIES.	COSTS IN CRIMINAL CASES.			FINES.			FORFEITED RECOGNIZANCES.			CIVIL JUDGMENTS.	
	Total amount of costs.	Amount of costs taxed against defendants.	Amount of costs collected.	Total amount of fines assessed.	Amount of fines collected.	Amount of fines probably collectable.	Amount of forfeited recognizances.	Amount collected on forfeited recognizances.	Probable amount collectable on forfeited recognizances.	Number.	Amount.
Portage	\$1,192 27	.....	\$536 02	\$890 00	\$886 93	\$50 00	.....	.....	.....	62	\$47,913 00
Preble	985 04	\$985 04	235 01	1,024 20	649 40	374 80	.....	.....	.....	95	45,692 37
Putnam	141 50	141 50	106 56	135 00	20 00	100 00	.....	.....	.....	84	23,477 90
Richland	201 00	201 00	96 00	341 00	175 00	.....	.....	.....	.....	195	106,375 60
Ross	2,018 47	1,183 42	146 41	320 00	80 00	20 00	\$500 00	.....	.....	112	82,394 65
Sandusky	84 20	34 70	.....	40 00	40 00	.....	.....	.....	.....	198	1,054 12
Scioto	2,244 00	2,244 00	1,729 00	1,245 00	480 00	453 00	300 00	.....	.....	127	138,095 00
Seneca	103 00	103 00	88 00	103 00	88 00	10 00	.....	.....	.....	87	67,674 05
Shelby	698 90	296 72	17 32	375 00	205 00	155 00	.....	.....	.....	58	34,248 67
Stark	974 60	902 70	662 48	2,780 00	1,730 38	649 62	.....	.....	.....	217	148,015 63
Summit	3,620 25	.....	798 55	1,590 00	1,004 78	.....	.....	.....	.....	117	9,944,539 42
Trumbull	1,134 70	638 00	498 15	1,070 00	390 00	290 00	250 00	\$100 00	\$150 00	248	196,347 14
Tuscarawas	1,578 55	329 25	29 00	1,416 00	80 00	1,270 00	800 00	800 00	800 00	78	34,140 98
Union	692 48	496 24	377 10	1,426 50	866 50	100 00	150 00	150 00	.....	150	37,931 06
Van Wert	700 00	700 00	.....	490 00	.....	.....	.....	.....	.....	117	25,086 00
Vinton .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warren	847 00	666 00	183 00	335 00	175 00	.....	1,060 00	.....	1,050 00	75	57,396 00
Washington	1,248 77	192 43	571 80	725 00	285 00	355 00	.....	.....	.....	135	55,890 11
Wayne	895 12	841 69	594 56	2,789 00	2,708 60	15 00	1,300 00	800 00	200 00	122	67,128 53
Williams	70 25	70 25	73 95	73 95	73 95	.....	.....	.....	.....	97	44,000 00
Wood	1,193 92	170 92	421 35	445 00	340 00	105 00	.....	.....	.....	149	92,117 00
Wyandot	712 29	712 29	145 02	50 00	40 00	.....	700 00	.....	200 00	196	56,711 85
Totals	\$115,995 70	\$65,483 90	\$25,805 91	\$56,389 19	\$34,558 93	\$7,812 70	\$38,722 00	\$6,814 25	\$15,807 00	14,092	\$18,339,765 27

Prisoners confined in County Jails in each County, during the year ending July 1, 1871, and the cost of keeping them, together with their places of nativity.

COUNTIES.	Number.	Aggregate cost.	Average cost.	WHERE BORN.							Unknown.	Colored.
				United States.	England, Scotland and Wales.	Ireland.	Germany.	France.	Other foreign countries.			
Adams	7	\$95 50	\$13 67	7	...	...	...	...	...	...	...	...
Allen	81	400 00	5 00	70	...	10	...	...	...	1	...	...
Ashland	19	242 25	13 27	12	2	...	1	...	...	...	4	...
Ashtabula	20	321 45	16 07	11	2	1	1	...	...	...	5	...
Athens	43	331 80	7 72	33	...	10	...	...	...	...	...	...
Auglaize	21	200 00	9 52	6	...	6	7	...	...	...	2	...
Belmont	39	814 50	20 88	32	...	3	4	...	...	...	...	...
Brown	29	483 85	16 75	21	...	...	2	1	1	1	4	...
Butler .....	...	...	...	...	...	...	...	...	...	...	...	...
Carroll	6	275 00	45 83	6	...	...	...	...	...	...	...	...
Champaign	22	394 00	17 09	...	...	...	...	...	...	...	22	...
Clarke	132	1,820 00	14 00	109	...	12	7	2	2	2	...	...
Clermont	19	270 00	14 21	15	...	2	1	...	...	1	...	...
Clinton	64	122 25	1 96	38	...	...	...	...	...	...	26	...
Columbiana	37	349 87	9 45	21	4	12	...	...	...	...	...	...
Coshocton .....	...	...	...	...	...	...	...	...	...	...	...	...
Crawford	17	431 29	25 37	...	...	...	...	...	...	...	17	...
Cuyahoga	375	6,384 95	17 00	75	42	165	88	5	...	...	...	...
Darke .....	...	...	...	...	...	...	...	...	...	...	...	...
Defiance	10	250 00	25 00	9	...	...	...	...	...	1	...	...
Delaware	140	712 00	5 00	60	...	17	5	...	...	...	58	...
Erie	36	206 00	5 72	14	2	11	9	...	...	...	...	...
Fairfield	33	474 10	14 36	29	...	4	...	...	...	...	...	...
Fayette	7	78 00	11 00	7	...	...	...	...	...	...	...	...
Franklin .....	...	...	...	...	...	...	...	...	...	...	...	...
Fulton	7	156 50	22 92	4	2	...	...	...	...	...	1	...
Gallia	52	877 76	16 87	47	...	1	...	4	...	...	...	...
Geauga	15	120 00	8 00	12	...	1	2	...	...	...	...	...
Greene	160	421 50	6 80	56	...	3	3	...	...	...	98	...
Guernsey .....	...	...	...	...	...	...	...	...	...	...	...	...
Hamilton .....	...	...	...	...	...	...	...	...	...	...	...	...
Hancock	47	658 95	14 02	37	...	...	6	4	...	...	...	...
Hardin .....	...	...	...	...	...	...	...	...	...	...	...	...
Harrison	42	451 25	10 74	36	4	2	...	...	...	...	...	...
Henry	18	77 75	4 36	15	...	3	...	...	...	...	...	...
Highland	12	235 75	19 64	6	1	2	...	...	...	...	3	...
Hocking	28	191 50	6 83	21	...	2	5	...	...	...	...	...
Holmes	5	54 50	10 90	3	...	1	1	...	...	...	...	...
Huron .....	...	...	...	...	...	...	...	...	...	...	...	...
Jackson	40	549 30	13 73	29	2	2	3	...	...	...	4	...
*Jefferson .....	...	...	...	...	...	...	...	...	...	...	...	...
Knox	213	1,069 00	5 02	...	...	...	...	...	...	...	213	...
Lake	64	437 45	6 83	19	...	10	1	...	...	...	34	...
Lawrence	135	1,667 15	12 35	103	29	...	2	1	...	...	...	...
Licking .....	...	...	...	...	...	...	...	...	...	...	...	...
Logan	60	372 00	6 00	54	1	4	...	...	...	...	1	...
Lorain	61	508 00	8 32	33	3	15	10	...	...	...	...	...
Lucas .....	...	...	...	...	...	...	...	...	...	...	...	...

Prisoners confined in County Jails,—Continued.

COUNTIES.	Number.	Aggregate cost.	Average cost.	WHERE BORN.						Unknown.	Colored.
				United States.	England, Scotland and Wales.	Ireland.	Germany.	France.	Other foreign countries.		
Madison.....											
Mahoning.....	35	431 00	\$12 31	25	4	5	1				
Marion.....	15	235 75	15 72	13			2				
Medina.....	15	84 00	5 60	8	1	2	4				
Meigs.....	142	722 10	5 08	91	15	8	28				
Mercer.....											
Miami.....	68	812 25	11 94							68	
Monroe.....											
Montgomery.....											
Morgan.....	23	199 00	8 65	22	1						
Morrow.....	17	476 95	28 05	16			1				
Muskingum.....											
Noble.....	14	107 05	7 64	14							
Ottawa.....											
Paulding.....											
Perry.....	4	100 00	25 00	4							
Pickaway.....	37	458 80	12 41	35	2						
Pike.....	4	160 00	40 00	3			1				
Portage.....	52	405 00	78 00							52	
Preble.....	32	192 15	6 00	24		8					
Putnam.....											
Richland.....											
Ross.....											
Sandusky.....											
Scioto.....	75	2,600 00	34 70							75	
Seneca.....	31	470 30	15 17	24			3		1	1	2
Shelby.....	54	200 00	3 70	41			2			11	
Stark.....	74	930 00	12 57	43	3	10	16	2			
Summit.....	65	961 75	14 79	23	6	15	13	2	1		5
Trumbull.....	66	403 00	6 10	23		17				26	
Tuscarawas.....	17	140 00	8 23	17							
Union.....	14	215 00	22 50	12		2					
Van Wert.....	24	124 88	5 20	20		3		1			
Vinton.....											
Warren.....	39	497 05	12 75	29		3	6			1	
Washington.....	31	259 78	8 38	15		2				14	
Wayne.....	32	652 48	20 39	23			5			4	
Williams.....	58	221 50	38 10	47	2		4	2	2	1	
Wood.....	22	234 56	11 16	14		1	6				1
Wyandot.....	11	126 00	11 45	10			1				
Totals.....	3187	\$34,925 52	\$10 95	1646	128	376	250	24	10	745	8

* No jail in the county.

Twenty-one counties not reported.

Persons Supported by State and Counties.

COUNTIES.	Insane.	Sent to Reform Schools.	Number of paupers in county infirmary.	Number of paupers otherwise supported.	Totals.
Adams	6	.....	43	.....	49
Allen	18	.....	42	.....	60
Ashland	3	2	.....	.....	5
Ashtabula	9	.....	96	40	145
Athens	4	.....	102	.....	106
Anglaize	3	1	28	6	38
Belmont	11	2	120	20	153
Brown	6	.....	43	.....	49
Butler	14	.....	132	.....	146
Carroll	5	.....	30	.....	35
Champaign	4	1	65	8	78
Clarke	13	2	69	.....	84
Clermont	12	.....	110	40	162
Clinton	11	2	57	2	72
Columbiana	6	2	107	.....	115
Coahuaton .....	.....	.....	90	.....	90
Crawford	9	.....	41	4	54
Cuyahoga	47	9	.....	.....	56
Darke	5	.....	57	.....	62
Defiance	4	.....	16	.....	20
Delaware	17	11	89	8	125
Erie	10	.....	.....	.....	10
Fairfield	6	3	98	21	128
Fayette	7	1	44	.....	52
Franklin	24	13	170	40	247
Fulton	4	.....	.....	3	7
Gallia	6	.....	48	12	66
Geauga	3	2	43	5	53
Greene	3	1	68	7	79
Guernsey	13	.....	50	8	71
Hamilton	153	12	158	.....	323
Hancock	7	.....	23	.....	30
Hardin	6	.....	25	.....	31
Harrison	6	.....	60	56	122
Henry .....	.....	.....	22	.....	22
Highland	9	.....	46	.....	55
Hocking	1	.....	43	2	46
Holmes	1	.....	40	.....	41
Huron	4	.....	65	55	124
Jackson	8	2	.....	2	12
Jefferson	9	2	80	40	131
Knox	8	1	58	17	84
Lake	4	.....	30	.....	34
Lawrence	4	.....	38	.....	42
Licking	9	5	123	.....	137
Logan	5	.....	47	24	76
Lorain	8	4	53	7	72
Lucas	21	14	49	3	87
Madison	3	.....	52	11	66
Mahoning	10	.....	60	10	80
Marion	4	2	29	1	36

Persons Supported by State and Counties—Continued.

COUNTIES.	Insane.	Sent to Reform Schools.	Number of paupers in county infirmary.	Number of paupers otherwise supported.	Totals.
Medina	6		44		50
Meigs	10	1			11
Mercer	2		14		16
Miami	15	2	72	44	133
Monroe	2		36	1	39
Montgomery	43	17			60
Morgan	9		130	40	179
Morrow	6	3	13		22
Muskingum	7	11	151	50	219
Noble	7				7
Ottawa				3	3
Paulding	4		10		14
Perry	3		45	10	58
Pickaway	9			6	15
Pike	3		14	6	23
Portage	5	2	66	23	96
Preble	2	1	60		63
Putnam	4	2	21		27
Richland	10	6	75	70	161
Ross	4		90	30	124
Sandusky	5		41	1	47
Scioto	3		29	8	40
Seneca	6	2	51	2	61
Shelby	4		35		39
Stark	10	2	120		132
Summit	9	2	56	8	75
Trumbull	7	1	58	5	71
Tuscarawas	6		85		91
Union	4	1	28	1	34
Van Wert	2	1	20		23
Vinton	2			29	31
Warren	18	1	160		179
Washington	11		70	35	116
Wayne	8		67		75
Williams	2	1		6	9
Wood	6	3	31	36	76
Wyandot	2	2			4
Totals	819	155	4651	866	6491

Deeds, Leases and Mortgages recorded in each county within the year ending July 1, 1871.

COUNTIES.	Number of deeds recorded.	Number of leases recorded.	Number other than R. R. mortgages recorded.	MORTGAGES.			
				Amount of money secured by same.	Number of R. R. mortgages recorded.	Amount of money secured by same.	Amount of money released.
Adams	550	5	137	\$121,480 97	.....	59	\$51,064 81
Allen	696	.....	335	338,957 00	.....	162	125,206 00
Ashland	675	13	330	430,471 00	.....	19	20,622 00
Ashtabula	1481	41	494	210,465 00	1	25,000,000	425
Athens	932	21	229	248,000 00	1	5,000,000	.....
Auglaize	758	8	376	162,808 00	1	.....	193
Belmont	829	20	451	617,761 88	.....	194	229,332 41
Brown	740	3	277	280,013 00	.....	126	127,441 00
Butler	1025	39	984	1,670,552 69	1	2,000,000	597
Carroll	460	9	176	254,347 25	.....	132	217,681 20
Champaign	770	5	441	44,109 09	1	3,500,000	202
Clarke	902	16	675	876,038 22	.....	489	336,408 00
Clermont	1016	28	501	484,386 21	1	3,000,000	489
Clinton	735	2	351	131,725 00	1	500,000	307
Columbiana	1243	37	596	468,900 00	.....	275	523,307 13
Coshocton	624	15	285	367,231 88	.....	478	308,644 00
Crawford	720	10	430	.....	.....	130	205,500 00
Cuyahoga	3000	300	2500	1,250,000 06	1	23,000,000	100
Darke	1225	19	491	750,225 00	1	10,000,000	2000
Defiance	595	2	240	191,496 01	.....	123	1,000,000 00
Delaware	820	20	575	752,000 00	.....	163	52,500 00
Erie	940	23	593	685,900 00	1	25,000,000	290
Fairfield	691	8	285	382,924 00	1	1,500,000	269
Fayette	468	9	227	388,511 00	1	1,500,000	221
Franklin	1978	55	1448	2,155,272 00	2	1,012,325	21
Fulton	642	13	379	211,187 61	2	17,700,000	66
Gallia	625	5	245	171,912 57	.....	233	51,992 00
Geauga	533	11	220	310,879 25	.....	127	198,225 00
Greene	866	17	388	650,475 00	.....	140	94,316 27
Guernsey	520	1	261	209,000 00	1	1,500,000	210
Hamilton	4281	701	3829	9,127,218 00	2	6,000,000	50
Hancock	668	17	330	387,855 67	.....	2535	25,000 00
Hardin	900	21	460	275,000 00	.....	196	6,728,735 00
Harrison	390	6	163	216,071 57	1	1,500,000	232,284 83
Henry	577	19	271	182,277 21	.....	156	119,619 00
Highland	852	10	312	413,300 00	.....	126	203,239 87
Hocking	450	.....	195	97,500 00	.....	169	110,656 29
Holmes	435	76	245	148,983 00	.....	149	84,600 00
Huron	910	27	605	717,032 00	1	25,000,000	25
Jackson	569	5	167	127,467 00	.....	102	52,210 00
Jefferson	696	9	416	545,987 94	.....	406	402,977 00
Knox	779	14	410	580,864 40	.....	113	170,532 31
Lake	465	7	239	275,295 21	1	25,000,000	156
Lawrence	542	15	240	204,290 15	.....	311	243,219 66
Licking	1000	6	540	202,500 00	.....	183	360,648 00
Logan	681	4	401	370,815 00	.....	62	218,288 54
Lorain	994	28	607	673,756 00	1	200,000	190
						297	374,758 00

Deeds, Leases and Mortgages recorded in each county, etc.—Continued.

COUNTIES.	Number of deeds recorded.	Number of leases recorded.	Number other than R. R. mortgages recorded.	MORTGAGES.			
				Amount of money secured by same.	Number of R. R. mortgages recorded.	Amount of money secured by same.	'Amount of money re-leased.
Lucas	2133	56	1452	\$2,964,093 14	1	25,000,000	\$144,049 51
Madison	371	5	212	345,068 12	1	1,000,000	182,045 89
Mahoning	1010	31	396	343,410 00	1	200,000	197,448 00
Marion	576	4	274	411,643 00	.....	.....	175,382 00
Medina	785	7	373	407,597 00	.....	.....	265,986 00
Meigs	815	23	260	250,507 09	.....	.....	88,070 00
Mercer	668	7	194	146,283 77	.....	.....	16,476 00
Miami	975	14	597	698,023 14	1	3,500,000	312,092 00
Monroe	600	.....	317	160,000 00	.....	.....	68,480 00
Montgomery	1876	64	1675	1,172,500 00	2	5,500,000	592,000 00
Morgan	530	15	205	168,085 00	.....	.....	.....
Morrow	628	5	254	302,027 00	.....	.....	247,496 00
Muskingum	1088	27	654	669,733 00	1	1,500,000	.....
Noble	400	10	145	162,222 00	1	1,500,000	125,143 00
Ottawa	715	7	312	273,132 24	1	25,000,000	137,086 58
Paulding	548	3	170	75,356 00	.....	.....	.....
Perry	598	39	238	80,452 23	1	500,000	36,087 60
Pickaway	564	12	433	538,328 77	1	1,500,000	283,513 44
Pike	380	1	113	96,715 20	.....	.....	2,040 00
Portage	739	49	385	399,577 21	.....	.....	258,428 57
Preble	632	8	285	449,991 00	.....	.....	19,280 00
Putnam .....	.....	.....	.....	.....	.....	.....	.....
Richland	1047	6	583	510,050 00	.....	.....	405,000 00
Ross	770	6	453	635,345 00	.....	.....	.....
Sandusky	768	15	491	666,326 60	1	25,000,000	435,615 00
Scioto	1198	23	448	498,874 42	1	3,000,000	203,293 37
Seneca	966	12	636	629,186 41	.....	.....	379,664 25
Shelby	654	11	215	193,500 00	2	.....	165,241 00
Stark	1475	52	1145	863,428 68	1	1,500,000	747,438 67
Summit	1260	19	667	917,630 00	.....	.....	273,915 00
Trumbull	1496	49	569	603,227 00	2	700,000	495,474 00
Tuscarawas	1066	23	570	1,141,000 00	1	108,000	154,800 00
Union	640	5	300	275,550 00	1	10,000,000	141,134 00
Van Wert	560	10	267	157,530 00	.....	.....	80,300 00
Vinton	493	36	220	88,000 00	.....	.....	.....
Warren	665	10	435	506,675 00	2	3,500,000	383,261 00
Washington	1275	99	406	365,400 06	1	1,500,000	406,215 00
Wayne	884	7	451	627,527 00	.....	.....	.....
Williams	800	20	450	230,000 00	2	2,000,000	180,000 00
Wood	914	8	502	462,231 00	2	25,218,500	296,602 00
Wyandot	594	3	397	285,255 00	.....	.....	90,805 00
Totals	76,402	2521	42,400	\$49,134,823 26	50	\$316,738,825 20,570	\$24,689,527 96

* Amount of money not reported.

† Ashtabula—amount of money canceled not known.

Statistics.

Table showing New Structures erected in each County during the year ending May 1, 1871.

COUNTIES.	Dwellings, hotels and depots.		Barns and stables.		Mills, machine shops, factori's, iron furnaces, etc.		Stores, shops, warehouses and other places of business.		Churches.		Public halls.		Miscellaneous.		Totals.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
Adams	30	\$14,250	11	\$2,300	1	\$1,900									41	\$16,550
Allen	150	30,000			1	1,000									51	31,900
Ashland	84	32,000	27	6,475	1	1,000	2	\$2,650							14	42,125
Ashcraft	50	22,100	20	5,000	14	16,680	7	3,200			2	\$600			96	47,680
Athens	49	14,935	7	1,400			1	250					3	\$1,300	60	17,885
Auglaize	93	27,952	29	5,750			8	17,342			13	10,836			143	61,880
Belmont	70	42,735	8	2,000	1	8,000									79	52,735
Brown	52	16,125	24	4,000			2	400							78	20,525
Butler	121	97,320	23	8,570	3	10,650									147	116,540
Carrroll	67	22,025	21	4,925	2	1,600	3	1,500					3	300	96	30,350
Champaign	65	53,570	28	13,150	4	1,450	5	3,550					26	9,710	128	81,430
Clarke	224	179,055	49	15,280			10	25,270							283	219,605
Clermont	61	29,660	16	3,850											77	33,450
Clinton	71	30,150	36	9,585			3	3,300							110	43,035
Columbiana	170	86,250	28	9,900	4	16,500	7	3,450			11	2,800			220	118,900
Coshocton	67	33,280	22	8,000	4	1,500	7	10,000	2	\$3,000					102	60,780
Crawford	111	64,100	40	9,920									1	100	152	74,120
Cuyahoga	1,069	339,656	71	11,327	10	7,345	18	285,000			13	6,151	1	51,000	1,201	629,479
Darke	176	87,020	114	39,380	2	2,600							2	200	293	180,000
Delaware	94	54,837	23	5,175	2	1,950	1	300							108	65,865
Delaware	181	50,810	16	2,590	1	330	8	4,385					13	7,135	219	65,250
Fairfield	87	60,240	45	13,960			7	4,080							139	78,180
Fayette	53	30,775	15	3,580			3	1,850	1	3,500			3	550	75	40,255
Franklin	350	340,000	40	24,000	9	50,000	30	40,000	1	9,000	1	100,000	12	6,000	443	569,000
Fulton	57	9,520	47	5,130	3	600	2	200							109	15,450
Gallia	33	13,000	17	2,775			7	2,350							58	21,625
Geauga*	32	8,350	13	2,200	6	8,500							1	1,200	52	15,250
Greene	91	62,600	28	11,350	6	12,900	4	2,650							133	91,300

Table showing New Structures erected in each County during the year ending May 1, 1871—Continued.

COUNTIES.	Dwellings, hotels and depots.		Barns and stables.		Mills, machine shops, factories, iron furnaces, etc.		Stores, shops, warehouses, and other places of business.		Churches.		Public halls.		Miscellaneous.		Total.	
	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.	No.	Am't.
Guernsey	44	\$23,175	18	\$5,375	1	\$200	2	\$300	.....	.....	.....	.....	.....	.....	65	\$29,050
Hamilton	639	1,110,680	27	7,580	4	27,000	84	16,500	6	\$102,000	.....	.....	.....	.....	760	1,416,760
Hancock	96	31,790	41	9,180	7	4,450	3	1,000	.....	.....	.....	.....	.....	.....	147	46,420
Hardin	91	27,970	25	5,025	.....	.....	5	2,700	.....	.....	.....	.....	4	\$520	125	36,215
Harrison	16	16,000	11	8,800	1	6,000	3	1,500	3	15,000	.....	.....	.....	.....	34	47,300
Henry	47	40,530	1	3,460	.....	.....	3	8,000	.....	.....	.....	.....	.....	.....	59	51,990
Highland	44	21,518	11	2,925	1	600	6	4,500	.....	.....	1	\$5,000	.....	.....	63	34,683
Hocking	58	17,150	15	2,835	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	73	19,985
Holmes	41	9,480	27	6,800	.....	.....	2	1,000	1	6,000	.....	.....	.....	.....	71	23,280
Huron	144	51,070	44	7,800	2	6,270	13	4,540	3	41,000	1	5,000	1	10,000	208	125,680
Jackson	24	8,325	2	350	.....	.....	2	396	.....	.....	.....	.....	.....	.....	28	9,071
Jefferson	116	54,470	20	8,500	2	6,600	1	200	1	45,000	.....	.....	22	6,850	162	121,620
Knox	97	73,339	41	10,463	2	2,550	.....	.....	.....	.....	.....	.....	12	2,786	152	89,138
Lake	42	27,135	20	3,550	4	2,100	6	7,724	.....	.....	.....	.....	.....	.....	72	40,509
Lawrence	109	54,350	1	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	110	54,550
Licking	164	89,700	34	11,050	2	3,415	2	2,200	.....	.....	.....	.....	9	1,475	211	107,840
Logan	69	39,450	18	6,960	3	2,810	10	5,670	.....	.....	1	600	8	1,556	109	57,040
Lorain	105	45,400	45	7,207	.....	.....	21	6,450	.....	.....	.....	.....	.....	.....	171	59,057
*Lucas	316	131,785	36	4,740	9	7,500	18	17,750	2	20,000	1	12,000	13	2,225	395	196,000
Madison	41	23,805	6	1,860	1	4,500	4	2,500	.....	.....	.....	.....	.....	.....	52	32,665
Mahoning	203	65,730	38	9,535	9	5,750	14	16,150	.....	.....	.....	.....	.....	.....	264	97,165
Marion	53	39,150	36	10,335	2	1,300	4	1,650	1	8,000	.....	.....	.....	.....	96	60,495
Medina	44	12,675	22	3,950	20	22,750	5	2,600	.....	.....	.....	.....	.....	.....	91	41,975
Meigs	105	39,430	16	3,375	2	800	4	2,000	.....	.....	.....	.....	7	5,038	134	50,637
Mercer	31	10,195	20	5,695	.....	.....	3	2,550	.....	.....	.....	.....	.....	.....	54	18,440
Miami	120	88,270	53	31,850	5	19,400	4	15,300	2	3,000	.....	.....	.....	.....	182	154,820
Monroe	15	6,600	22	7,360	1	1,200	.....	.....	.....	.....	.....	.....	.....	.....	40	18,160
Montgomery	381	222,350	59	18,060	8	27,990	4	13,000	.....	.....	2	27,000	.....	.....	454	308,400
Morgan	33	10,650	26	5,222	2	6,124	.....	.....	.....	.....	.....	.....	.....	.....	61	21,996

Turnpikes and Plankroads in the State of Ohio, number and value of County Buildings, and number and value of Buildings destroyed by fire, flood or otherwise.

COUNTIES.	Number of turn- pikes.	Length of turnpikes —in miles.	Number of plank- roads.	Length of plank- roads—in miles.	Total number.	Total length in miles.	Number of county buildings.	Value.	Number of buildings destroyed by fire, flood or otherwise.	Value.
Adams	6	64	.....	.....	6	64	5	\$15,000	.....	.....
Allen .....	.....	.....	.....	.....	.....	.....	2	50,000	3	\$1,500
Ashland .....	.....	.....	.....	.....	.....	.....	3	50,000	.....	.....
Ashtabula .....	.....	.....	1	17	1	17	5	54,500	2	1,100
Athens .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Auglaize	2	12	1	10	3	22	3	41,540	3	1,850
Belmont	9	72	.....	.....	9	72	6	100,000	.....	.....
Brown	16	120	.....	.....	16	120	3	50,000	2	300
Butler	28	251	.....	.....	28	251	9	90,000	7	3,300
Carroll .....	.....	.....	.....	.....	.....	.....	6	16,000	2	261
Champaign	48	258	.....	.....	48	258	5	40,000	4	6,560
Clarke	21	172	.....	.....	21	172	5	70,000	2	1,050
Clermont	12	150	.....	.....	12	150	5	40,000	.....	.....
Clinton	19	145	.....	.....	19	145	4	60,000	2	4,625
Columbiana .....	.....	.....	.....	.....	.....	.....	3	35,000	4	900
Coshocton .....	.....	.....	.....	.....	.....	.....	5	40,000	.....	.....
Crawford .....	.....	.....	.....	.....	.....	.....	3	95,000	14	15,230
Guyahoga	1	8	5	47	6	55	2	200,000	.....	.....
Darke	32	297	.....	.....	32	297	3	80,000	7	26,000
Defiance	1	40	.....	.....	1	40	6	30,000	1	100
Delaware	7	55	.....	.....	7	55	3	80,000	.....	.....
Erie	1	.....	1	10	1	10	3	6,000	14	2,407
Fairfield	6	85	.....	.....	6	85	4	190,000	6	14,000
Fayette	22	220	.....	.....	22	220	4	48,000	.....	.....
Franklin	12	140	.....	.....	12	140	3	110,000	.....	.....
Fulton .....	.....	.....	.....	.....	.....	.....	4	35,000	5	540
Gallia .....	.....	.....	.....	.....	.....	.....	3	24,666	3	4,744
Geauga .....	.....	.....	.....	.....	.....	.....	4	100,000	6	900
Greene	22	154	.....	.....	22	154	4	110,000	4	1,800
Guernsey	3	31	.....	.....	3	31	7	20,000	3	3,100
Hamilton	15	150	.....	.....	15	150	3	1,250,000	162	347,000
Hancock .....	.....	.....	.....	.....	.....	.....	4	65,000	6	1,300
Hardin	9	80	.....	.....	9	80	3	65,000	2	850
Harrison	1	3	.....	.....	1	3	3	25,000	5	4,500
Henry .....	.....	.....	.....	.....	.....	.....	1	7,888	2	650
Highland	14	111	.....	.....	14	111	4	14,500	.....	.....
Hocking	1	6	.....	.....	1	6	3	40,000	.....	.....
Holmes .....	.....	.....	.....	.....	.....	.....	3	15,000	3	1,200
Huron .....	.....	.....	.....	.....	.....	.....	5	40,000	1	520
Jackson .....	.....	.....	.....	.....	.....	.....	2	37,000	2	264
Jefferson * .....	.....	.....	.....	.....	.....	.....	2	15,000	.....	.....
Knox .....	.....	.....	.....	.....	.....	.....	4	65,000	9	2,288
Lake .....	.....	.....	.....	.....	.....	.....	3	20,500	7	4,410
Lawrence .....	.....	.....	.....	.....	.....	.....	3	38,000	2	571
Licking	1	25	.....	.....	1	25	3	250,000	3	300
Logan	14	97	.....	.....	14	97	3	107,000	2	2,300
Lorain .....	.....	.....	.....	.....	.....	.....	3	75,000	5	1,500
Lucas	2	18	1	2	3	20	5	120,000	14	7,240
Madison	33	155	.....	.....	33	155	2	56,200	2	7,000
Mahoning .....	.....	.....	.....	.....	.....	.....	4	40,605	5	1,920
Marion	2	15	.....	.....	2	15	3	20,000	5	2,500

Turnpikes and Plankroads in the State of Ohio, etc.—Continued.

COUNTIES.	Number of turn- pikes.	Length of turnpikes —in miles.	Number of plank- roads.	Length of plank- roads—in miles.	Total number.	Total length in miles.	Number of county buildings.	Value.	Number of buildings destroyed by fire, flood or otherwise.	Value.
Medina							3	\$45,000	20	\$20,000
Meigs							7	25,000		
Mercer							4	65,000	3	900
Miami *	56	277			56	277	3	160,000	12	20,000
Monroe							3	50,000	6	1,051
Montgomery							4	400,000		
Morgan							3	44,080	6	2,448
Morrow	2	14			2	14	4	30,800	3	675
Muskingum	2	46			2	46	2	25,000	10	2,430
Noble	1	12			1	12	4	50,000		
Ottawa							2	6,000	6	9,750
Paulding							3	6,000	1	400
Perry							3	3,000		
Pickaway	22	198			22	198	3	60,000	4	1,867
Pike	3	37			3	37	4	25,000		
Portage							3	50,000	4	1,650
Preble †	8	70			8	70	3	100,000	2	300
Putnam							3	33,000	2	800
Richland							5	20,000		
Ross	15	144			15	144	3	150,000		
Sandusky	5	55			5	55	3	35,000	5	1,800
Scioto	6	62			6	62	4	18,000	12	19,666
Seneca							3	100,000	5	2,500
Shelby							4	56,000	4	4,075
Stark							3	200,000	10	8,000
Summit							3	150,000	15	6,826
Trumbull							2	60,000	10	15,250
Tuscarawas							4	54,000		
Union	7	51			7	51	2	10,300	1	1,000
Van Wert							7	10,000	1	500
Vinton							3	10,000	7	7,600
Warren	58	325			58	325	4	100,000		
Washington							4	34,000	2	1,500
Wayne							4	200,000	5	2,160
Williams							2	39,000	3	2,400
Wood	22	100			22	100	3	40,000		
Wyandot								20,000		
Totals	566	4325	9	86	575	4411	312	6,731,579	490	\$612,180

* Including free turnpikes.

† Contains 500 miles free turnpikes.

Banks and their Capital.

COUNTIES.	No. of National Banks.	Capital.	No. of Private Banks.	Capital.	No. of banks incorporated by the State.	Capital.	Total No. of banks.	Total Capital.
Adams	1	\$27,500	2	\$27,500	2		2	\$27,500
Allen	1	100,000	2	25,000	3		3	125,000
Ashland	1	50,000	2	50,000	3		3	100,000
Ashtabula	3	270,000	1	50,000	2		3	270,000
Athens	1	50,000	2	25,000	2		2	100,000
Anglaize	3	400,000	2	25,000	5		5	425,000
Belmont	2	350,000	2	19,000	4		4	369,000
Brown	3	320,000	5	99,923	8		8	419,923
Butler	2	200,000	1	16,500	3	\$18,466	3	218,466
*Carroll	4	650,000	1	16,500	5		5	666,500
Champaign	2	200,000	2	45,748	2		2	200,000
Clarke	1	50,000	2	45,748	3		3	95,748
Clermont	3	400,000	7	101,000	10		10	501,000
Clinton	3	400,000	2	6,590	2		2	6,590
Coshocton	2	150,000	2	55,100	4		4	205,500
Crawford	6	3,700,000	9	283,000	15		15	3,983,000
Cuyahoga	1	84,000	1	53,000	1		1	84,000
Darke	2	235,000	1	53,000	3	1,900	3	236,900
Defiance	2	250,000	2	10,000	2		2	250,000
Delaware	2	140,000	1	10,000	3		3	150,000
Erie	1	100,000	1	12,000	2		2	112,000
Fairfield	3	715,000	8	157,000	11		11	872,000
Fayette	1	100,000	1	6,000	1		1	6,000
Franklin	1	100,000	1	6,000	1		1	100,000
Fulton	3	240,000	1	50,000	3		3	290,000
Gallia	1	100,000	1	100,000	1		1	100,000
*Geauga	5	3,750,000	17	1,820,500	24	701,500	24	6,272,000
Greene	1	50,000	2	10,000	3		3	60,000
Guernsey	2	220,000	3	170,000	5		5	390,000
Hamilton	2	150,000	3	99,800	5		5	249,800
Hancock	1	50,000	1	25,000	2		2	75,000
Hardin	2	150,000	2	60,000	2		2	60,000
Harrison	2	150,000	1	15,000	3		3	165,000
*Henry	1	100,000	1	40,000	1		1	40,000
Highland	3	425,000	2	80,000	5		5	505,000
Hocking	2	200,000	2	200,000	2		2	200,000
Holmes	1	200,000	1	200,000	1		1	200,000
Huron	2	304,000	1	304,000	2		2	304,000
Jackson	2	150,000	2	90,000	5	19,000	5	259,000
Jefferson	1	100,000	3	276,715	4		4	376,715
Knox	3	250,000	3	250,000	3		3	250,000
Lake	4	1,200,000	4	65,000	8		8	1,265,000
Lawrence	1	138,000	1	138,000	1		1	138,000
Licking	1	300,000	2	123,738	4	159,192	4	582,930
Logan	1	75,000	2	53,000	2		2	53,000
Lorain	1	75,000	1	75,000	1		1	75,000
Lucas	1	200,000	1	200,000	1		1	200,000
Madison	1	200,000	1	200,000	1		1	200,000
Mahoning	1	200,000	1	200,000	1		1	200,000
Marion	1	200,000	1	200,000	1		1	200,000
Medina	1	200,000	1	200,000	1		1	200,000
Meigs	1	200,000	1	200,000	1		1	200,000

Banks and their Capital.—Continued.

COUNTIES.	No. of National Banks.	Capital.	No. of Private Banks.	Capital.	No. of banks incor- porated by the State.	Capital.	Total No. of banks.	Total Capital.
*Mercer								
Miami	3	\$500,000	1	\$80,000			4	\$580,000
Monroe			1	20,000			1	20,000
Montgomery	4	650,000	3	44,670			7	694,670
Morgan	1	100,000	1	20,000			2	120,000
Morrow	2	220,000	1	8,000			3	228,000
Muskingum	2	354,700	2	60,000			4	414,700
*Noble								
*Ottawa								
*Paulding								
*Perry								
Pickaway	2	300,000					2	300,000
*Pike								
Portage	3	300,000					3	300,000
Preble	1	100,000					1	100,000
Putnam			2	41,975			2	41,975
Richland	3	350,000					3	350,000
Ross	3	250,000	1	25,000			4	275,000
Sandusky	1	100,000	1	10,000	2	\$20,000	4	130,000
Scioto	3	665,000	3	47,000	1	25,000	7	737,000
Seneca	2	135,000					2	135,000
Shelby	1	52,000	1	38,900			2	90,900
Stark	3	400,000	10	200,000			13	600,000
Summit	2	350,000			3	300,000	5	650,000
Trumbull	2	350,000	4	60,000			6	410,000
Tuscarawas			4	142,000			4	142,000
Union			3	27,000			3	27,000
Van Wert	1	72,000	1	68,000			2	140,000
*Vinton								
Warren	2	150,000	3	40,000			5	190,000
Washington	3	361,210	1	40,409			4	401,619
Wayne	1	75,000	5	128,500			6	201,500
Williams	1	60,000	1	10,000			2	70,000
*Wood								
Wyandot	1	105,000	3	38,000			4	143,000
Totals	131	\$22,765,910	148	\$5,113,468	15	1,325,558	294	\$29,204,938

* No report.

POPULATION STATISTICS AS GIVEN BY THE NINTH FEDERAL CENSUS.

POPULATION OF THE UNITED STATES.

The following table exhibits the population of the United States and Territories at nine decades, with the relative grade of each State at every decade, as ascertained by the Federal Census, the total of the United States, including the population of the Territories. The numbers immediately preceding the population columns indicate the relative rank of the State in that decade.

The growth of some of the newer States is remarkable. Iowa, the 16th State admitted under the Federal Constitution, has made a brilliant race. She was admitted in 1846, and by the Census of 1850 ranked the 27th State in population (192,214). She has passed sixteen States in two decades, and now ranks as the 11th State, with a population of 1,191,792. Illinois, admitted in 1818, the 8th State under the Federal Constitution, ranked, by the Census of 1820, as the 24th State in the Union, now ranks as the 4th. Ohio was admitted in 1802, with a population of 45,365, and ranked in 1800 as the 18th State in the Union. In the next decade she was the 13th, with 230,760 population. In the next decade (1820-1830) she passed eight States, and took position as the 5th State. In 1840 she took the 3d place, which position she still holds. Pennsylvania is the only State in the Union that holds her original place in the race. She commenced as 2d in 1790, and is still 2d in 1870. It is probable that in the present decade (1870-1880), she will maintain her position, and that Ohio and Illinois will be, respectively, 3d and 4th. Ohio has lost heavily by emigration during the last decade. She has helped to populate every western State. The population of Pennsylvania has a much less mobile character. The spirit of the ancient Knickerbockers is abroad in that Commonwealth; and the great-grand-sons of that renowned race, who first gave character to New York, prefer to remain upon the divided portion of their father's manor, to digging out new homes in the farther West. But in the decade, 1880-1890, the virgin soil of the West, now tempting our population, will have been occupied; three Pacific railroads will have divided our internal commerce, and robbed New York and

Philadelphia of their old commercial monopoly, and Ohio, rich in mineral resources, strong in latent strength, and the focal center of population, will probably pass Pennsylvania at the end of the decade (1890), and go to the front at the close of the century.

EXPLANATION OF LITHOGRAPHED CHART.

The accompanying chart was prepared and lithographed for this report. It exhibits, at a glance, the whole struggle of the States in nine decades, showing the rank and population of each State as it entered the race, and its rank and population in 1870. The idea of a chart of this character was suggested to me by Prof. T. C. Mendenhall, of Columbus.

Each State is entered in the chart at the commencement of the decade in which its territorial existence commenced and its boundaries were defined. Maine entered in 1790, was not admitted as a State until 1820. Mississippi entered in 1800, was not admitted as a State until 1817. Indiana entered in 1800, was that year organized as a territory, but was not admitted as a State until 1816. Louisiana entered in 1810, was, by act of Congress, 1804, provided with a territorial government, but her exact territorial limit was not established until 1810. Missouri entered in 1810, was organized as a territory in 1812, and admitted as a State in 1820. Illinois entered in 1810, was organized as a territory in 1809, and admitted as a State in 1818. Michigan entered in 1810, was a territory until 1836. Arkansas entered in 1820, was organized as a territory in 1819, but was not admitted as a State until 1836. Iowa was admitted in 1840, was organized as a territory in 1838, and admitted as a State in 1846.

Table exhibiting the aggregate Population of the States and Territories at nine decades.

STATES AND TERRITORIES.	1870.	1880.	1890.	1900.	1910.	1920.	1930.	1940.	1950.	1960.	1970.	1980.	1990.	2000.
Total of the United States.	38,555,933	31,443,321	23,191,876	17,069,453	12,866,020	9,633,822	7,239,881	5,308,483	3,929,214					
Total of the States...	38,113,253	31,183,744	23,067,262	17,019,641	12,820,862	9,600,783	7,215,858	5,294,390	3,929,214					
Alabama	996,992	13	771,623	12	590,756	15	309,527	19	127,901					
Arkansas	484,471	25	209,997	25	97,574	27	30,388	25	14,255					
California	560,247	26	379,994	29	92,597									
Connecticut	537,454	24	460,147	21	370,792	16	237,675	14	275,148	9	261,942	8	251,092	8
Delaware	125,015	32	112,216	30	91,532	26	78,045	24	72,749	19	72,674	17	64,273	16
Florida	187,742	31	140,424	31	87,445	27	54,777	25	34,730					
Georgia	1,184,109	11	1,057,286	9	906,185	9	691,392	10	516,823	11	340,985	12	162,686	13
Illinois	2,539,891	4	1,711,951	11	851,470	14	476,183	20	157,445	24	55,162	23	12,292	
Indiana	1,680,637	6	1,350,422	7	988,416	10	685,866	13	343,031	18	147,178	21	24,520	20
Iowa	1,191,792	20	674,913	27	192,214	28	43,112							
Kansas	364,399	33	107,206											
Kentucky	1,321,011	9	1,155,684	8	982,405	6	779,828	6	687,917	6	564,135	7	406,511	9
Louisiana	726,915	17	708,002	18	517,762	19	362,411	19	215,739	17	132,923	18	76,556	
Maine	626,915	22	628,279	16	583,169	13	501,793	12	399,455	12	298,269	14	228,705	14
Maryland	780,894	19	687,049	17	583,034	15	470,019	11	447,400	10	407,350	8	390,546	7
Massachusetts	1,457,351	7	1,231,066	6	994,514	2	737,689	8	610,408	7	523,159	5	472,040	5
Michigan	1,184,059	16	749,113	20	397,654	23	212,267	26	31,639	27	8,765	24	4,762	
Minnesota	439,706	30	172,023	33	6,077									
Mississippi	827,922	14	791,305	15	606,526	17	375,651	22	136,621	21	75,448	20	40,352	19
Missouri	1,721,266	8	1,182,012	13	682,044	16	383,702	21	140,456	23	66,557	22	20,846	
Montana	122,983	35	28,841											
Nebraska	42,491	36	6,857											
Nevada	318,300	27	326,073											
New Hampshire	306,096	21	672,035	19	489,555	16	373,306	14	320,823	13	277,426	12	245,562	10
New Jersey	4,392,759	1	3,980,735	1	3,097,394	1	2,428,921	1	1,918,608	1	1,373,111	2	959,049	3
New York	1,071,361	12	992,622	10	869,039	7	753,419	5	737,967	4	638,929	4	555,500	4
North Carolina	2,665,260	3	2,339,511	3	1,980,329	3	1,519,467	4	937,903	5	581,226	13	230,760	18
Ohio	90,923	34	52,465	32	13,294									
Oregon														

Table exhibiting the aggregate Population of the States and Territories—Continued.

STATES AND TERRITORIES.	1870.	1880.	1890.	1900.	1910.	1920.	1930.	1940.	1950.	1960.	1970.	1980.	1990.	2000.
Pennsylvania	2 3,521,791	2 2,906,215	2 2,311,786	2 1,724,033	2 1,348,233	3 1,047,507	3 810,091	2 602,365	2 434,373					
Rhode Island	32 217,353	29 174,620	28 147,545	24 108,830	23 97,199	20 83,015	17 76,931	16 69,122	15 68,825					
South Carolina	22 705,606	18 703,708	14 668,507	11 594,398	9 581,185	8 502,741	6 415,115	6 345,591	7 249,073					
Tennessee	9 1,258,520	10 1,109,801	5 1,002,717	5 829,210	7 681,904	9 422,771	10 261,727	15 105,602	17 35,691					
Texas	19 818,579	23 604,215	25 212,592	21 291,948	17 280,652	16 235,966	15 217,885	13 154,465	12 85,425					
Vermont	30 330,551	28 315,098	23 314,120	4 1,239,797	3 1,211,405	2 1,065,116	1 974,600	1 890,200	1 747,610					
Virginia	10 1,225,163	5 1,596,318	4 1,421,661	30 945										
West Virginia	27 442,014													
Wisconsin	15 1,064,670	15 775,881	24 305,391											
Total of the Territories	442,730	259,577	124,614	43,712	39,834	33,039	24,023	14,093						
Arizona	9 9,658													
Colorado	4 39,864	4 34,277												
Dakota	8 14,181	6 4,837												
District of Columbia	1 131,700	2 75,080	2 51,687	1 43,712	1 39,834	1 33,039	1 24,023	1 14,093						
Idaho	7 14,999													
Montana	6 20,595													
New Mexico	2 91,874	1 93,516	1 61,547											
Utah	3 86,786	3 40,273	3 11,380											
Washington	5 23,955	5 11,594												
Wyoming	10 9,118													

Cities in the United States having more than 10,000 population in 1870, as shown by the last Federal Census.

Name of City and in what State situated.	Population.	Name of City and in what State situated.	Population.
1. New York, N. Y.....	942,292	60. Lancaster, Pa.....	21,296
2. Philadelphia, Pa.....	674,022	61. Oswego, N. Y.....	20,910
3. Brooklyn, N. Y.....	396,099	62. Elizabeth, N. J.....	20,832
4. St. Louis, Mo.....	310,864	63. Hoboken, N. J.....	20,297
5. Chicago, Ill.....	298,977	64. Poughkeepsie, N. Y.....	20,080
6. Baltimore, Md.....	267,354	65. Davenport, Ia.....	20,038
7. Boston, Mass.....	250,526	66. St. Paul, Minn.....	20,030
8. Cincinnati, O.....	216,239	67. Erie, Pa.....	19,646
9. New Orleans, La.....	191,418	68. St. Joseph, Mo.....	19,565
10. San Francisco, Cal.....	149,473	69. Wheeling, W. Va.....	19,280
11. Buffalo, N. Y.....	117,714	70. Norfolk, Va.....	19,229
12. Washington, D. C.....	109,199	71. Bridgeport, Conn.....	18,969
13. Newark, N. J.....	105,059	72. Petersburg, Va.....	18,950
14. Louisville, Ky.....	100,753	73. Chelsea, Mass.....	18,547
15. Cleveland, O.....	92,829	74. Dubuque, Ia.....	18,434
16. Pittsburgh, Pa.....	86,076	75. Bangor, Me.....	18,289
17. Jersey City, N. J.....	82,546	76. Leavenworth, Kas.....	17,873
18. Detroit, Mich.....	79,577	77. Fort Wayne, Ind.....	17,718
19. Milwaukee, Wis.....	71,440	78. Springfield, Ills.....	17,364
20. Albany, N. Y.....	69,422	79. Auburn, N. Y.....	17,225
21. Providence, R. I.....	68,904	80. Newburg, N. Y.....	17,014
22. Rochester, N. Y.....	62,386	81. Norwich, Conn.....	16,653
23. Allegheny, Pa.....	53,180	82. Grand Rapids, Mich.....	16,507
24. Richmond, Va.....	51,038	83. Sacramento, Cal.....	16,283
25. New Haven, Conn.....	50,840	84. Terre Haute, Ind.....	16,103
26. Charleston, S. C.....	48,956	85. Omaha, Neb.....	16,083
27. Indianapolis, Ind.....	48,244	86. Williamsport, Pa.....	16,030
28. Troy, N. Y.....	46,465	87. Elmira, N. Y.....	15,863
29. Syracuse, N. Y.....	43,051	88. New Albany, Ind.....	15,396
30. Worcester, Mass.....	41,105	89. Augusta, Ga.....	15,389
31. Lowell, Mass.....	40,928	90. Cohoes, N. Y.....	15,357
32. Memphis, Tenn.....	40,226	91. Newport, Ky.....	15,037
33. Cambridge, Mass.....	39,634	92. Burlington, Ia.....	14,930
34. Hartford, Conn.....	37,180	93. Lexington, Ky.....	14,801
35. Scranton, Pa.....	35,092	94. Burlington, Vt.....	14,387
36. Reading, Pa.....	33,930	95. Galveston, Tex.....	13,818
37. Paterson, N. J.....	33,579	96. Lewiston, Me.....	13,600
38. Kansas City, Mo.....	32,260	97. Alexandria, Va.....	13,570
39. Mobile, Ala.....	32,034	98. Lafayette, Ind.....	13,506
40. Toledo, O.....	31,584	99. Wilmington, N. C.....	13,446
41. Portland, Me.....	31,413	100. Haverhill, Mass.....	13,092
42. Columbus, O.....	31,274	101. Minneapolis, Minn.....	13,066
43. Wilmington, Del.....	30,841	102. Sandusky, O.....	13,000
44. Dayton, O.....	30,473	103. Salt Lake, Utah.....	12,854
45. Lawrence, Mass.....	28,921	104. Keokuk, Ia.....	12,766
46. Utica, N. Y.....	28,804	105. Fond du Lac, Wis.....	12,764
47. Charlestown, Mass.....	28,323	106. Binghamton, N. Y.....	12,692
48. Savannah, Ga.....	28,235	107. Oshkosh, Wis.....	12,663
49. Lynn, Mass.....	28,233	108. Vicksburg, Miss.....	12,443
50. Fall River, Mass.....	26,768	109. San Antonio, Tex.....	12,256
51. Springfield, Mass.....	26,703	110. Concord, N. H.....	12,241
52. Nashville, Tenn.....	25,865	111. Des Moines, Ia.....	12,035
53. Covington, Ky.....	24,505	112. Jackson, Mich.....	11,447
54. Quincy, Ill.....	24,052	113. Georgetown, D. C.....	11,384
55. Manchester, N. H.....	23,536	114. Aurora, Ill.....	11,162
56. Harrisburg, Pa.....	23,104	115. Hamilton, O.....	11,081
57. Peoria, Ill.....	22,849	116. Rockford, Ill.....	11,049
58. Evansville, Ind.....	21,830	117. Schenectady, N. Y.....	11,026
59. Atlanta, Ga.....	21,789	118. Rome, N. Y.....	11,000

Cities in the United States having more than 10,000 population—Continued.

Name of City and in what State situated.	Population.	Name of City and in what State situated.	Population.
119. Waterbury, Conn	10,826	127. Portsmouth, Va.....	10,492
120. Macon, Ga.....	10,810	128. Biddeford, Me.....	10,282
121. Madison, Ind.....	10,709	129. Hannibal, Mo.....	10,125
122. Altoona, Pa.....	10,600	130. Ogdensburg, N. Y.....	10,076
123. Portsmouth, O.....	10,592	131. Stockton, Cal.....	10,066
124. Montgomery, Ala.....	10,588	132. Council Bluffs, Ia.....	10,020
125. Nashua, N. H.....	10,543	133. Zanesville, O.....	10,011
126. Oakland, Cal.....	10,500	134. Akron, O.....	10,006

THE FEDERAL CENSUS OF OHIO.

OFFICE OF SECRETARY OF STATE,
COLUMBUS, O., January 3, 1872.

Owing to the already voluminous character of this report, and the large amount of material just at hand, from the Census Bureau, which I desire to tabulate and print, the text proposed for this department is omitted, and the more valuable and interesting letter of General Garfield inserted instead. The class of statistics, so admirably presented in this letter, I attempted to gather while in Washington, in November, but failed for want of funds and facilities. In fact, every effort to gather statistics for this bureau, has proved vexatious and embarrassing, owing to the stingy policy exhibited towards this department by the last General Assembly.

In noting our growth of population in the agricultural districts, it will be observed that there has been no increase of population in any district in the State in the last decade, where the average value of land was more than \$10 per acre in 1860, or more than \$20 per acre in 1870. I notice that 374 townships have lost population since 1860. Where this population has gone, is shown in the letter of General Garfield.

The letter of General Garfield, cost that gentleman much valuable time and labor. Its importance is fully appreciated in this office. I desire on behalf of the friends of a better statistical bureau for Ohio, to thank General Garfield, and to express the hope that his labor of love will not be entirely lost.

LETTER FROM GENERAL GARFIELD.

WASHINGTON, D. C., December 25th, 1871.

Gen. Isaac R. Sherwood, Secretary of State :

DEAR SIR:—In accordance with your request, I submit some facts and suggestions, concerning the movement of population in Ohio, as developed in the recent National Census.

It is to be regretted that you cannot have in hand the full returns of the Ninth Census before making your statistical report. But, independent of the National Censuses, your reports are of great value, and I have no doubt will be even more prized in the future, than they now are.

I rejoice that Ohio has had done so much in the past, and is still doing so much to ascertain those statistical facts which exhibit the material and social prosperity of her people. The information which your office collects, under the provisions of State laws, and the additional information which the late National Census affords, in regard to Ohio, will throw new and important light upon many subjects of the deepest interest to our people.

Before exhibiting any of the results of the late Census, I beg leave to offer a few general suggestions.

It should constantly be borne in mind that the increase of population in the United States is exceptional, and stands almost alone in the history of the growth of modern nations. The normal law doubtless is, that all populations tend to become stationary. There are conditions which limit a continual increase, on the one hand, or a continual decrease on the other, and, though in the same country, oscillations are frequently observed, above and below the point of stability, yet there are forces which constantly resist any long continued movement in either direction.

Mathus, in his remarkable essay on population, insisted that while the means of subsistence increases only in an arithmetical ratio, population increases in a geometrical ratio, and that these two tendencies, unless checked by law, must ultimately result in great disaster.

The developments of statistical science, since Mathus wrote, have materially modified the conditions of the problem. The latest results of investigation in this field have recently been given by M. Quetelet, the distinguished statistician of Belgium. In his work entitled "*Physique Sociale*," Brussels, 1869, (vol. 1., p. 433,) he says:

"There are two fundamental principles by which the development of population and the causes which influence it may be analyzed:

"1st. Population tends to increase in geometrical ratio.

"2d. The resistance, or the sum of obstacles to its development, other things being equal, is as the square of the ratio by which the population tends to increase."

I do not believe that the laws of vital and social growth are sufficiently well known to enable us to affirm, with confidence, that populations increase and diminish in accordance with such fixed, or exact mathematical laws, as those which govern the motions of

the planets. But I have no doubt that enough is known to show that a striking analogy exists between the laws that govern the development of societies and masses of men, and those that govern the inorganic world. Although in the former, the element of free will is added, yet even the will of man acts in obedience to rational motives, and (when long periods are considered) with remarkable uniformity.

In advocating his doctrine, as above stated, Quetelet says (*Ib.*, p. 434):

"I have examined the consequences to which this theory leads, and, after having found that they perfectly conform to the results of experience, I have come to the conclusion that a population, developing itself freely, and without obstacles, increases in a geometrical ratio; but if the development takes place in the midst of obstacles of all kinds, which tend to arrest it, and which act in a uniform manner—that is to say, if the social state remains unchanged, the population will not continue its increase indefinitely, but will tend more and more to become stationary. It follows, then, that population, in its very tendency to increase, develops causes which prevent the sad catastrophe that might be feared from an overplus."

If these observations be just, we should not hastily accept the conclusions of those who forecast the future growth of any population, on the basis of its ratio of increase in the recent past. And this remark is especially applicable to the population of the United States.

Among European nations whose populations are increasing, Great Britain may be taken as an example of the most rapid, and France of the slowest increase.

In Great Britain the average annual increase during the last seventy years has been less than one and one-third per cent.

According to the last official report of M. Legoyt, the population of France has increased by only one-third of one per cent. per annum during the thirty-five years preceding 1866.

In both these nations the ratio of increase is slowly diminishing, and the populations are tending to become stationary.

As a further illustration of the same principle, (but applied to an opposite condition,) I observe that the population of Ireland has been rapidly decreasing during the last thirty years, as may be seen from the following table:

Population of Ireland in 1841	8,175,124
" " 1851	6,574,278.
" " 1861	5,798,759.
" " 1871	5,402,759.

It will be observed that the ratio of decrease is less in each decade; and it is probable that the limit of decrease is now nearly reached.

In all European countries the spaces within which populations move are already occupied, and each increment of growth crowds the areas more closely and increases the obstacles to further development.

In striking contrast with the condition of all the populations of Europe is the development of population in the United States. Hitherto the vast spaces of our unoccupied territory have been opening ever new and varied fields for the expansion and support of our people. Our soil, enriched by the decayed vegetation of unnumbered centuries, has hitherto afforded an almost inexhaustible supply of the means of subsistence. Our population has grown thus far with such marvellous rapidity, because it has not reached those limits where the obstacles to growth are so numerous and formidable as seriously to diminish the ratio of increase.

The number that represents the population of 1870 is nearly 1,000 per cent. of the number that represented that of 1790. During the period from 1790 to 1860 the population three times doubled upon itself. During the five decades preceding the last the increase was very uniform, at about 35 per cent. each decade. The last decade shows a decline in the rate of increase, which was about 22½ per cent.* This decrease is, no doubt, due mainly to the direct and indirect effects of the late war; but there are many evidences that the general obstacles to an increase are beginning to be felt. The rich, unoccupied lands of the West are every year becoming less abundant, and the occupied lands are beginning to require from the husbandman a restoration of that first gift of fertility which he can never again enjoy without paying for it in advance. We have no right, therefore, to expect a much longer continuation of the rate of increase which has so long been maintained.

In the older States there is a marked tendency towards a stationary population, and this tendency is not due to emigration alone, but to an actual decrease in the average fecundity of marriages—in the falling off of the birth-rate as compared with the death-rate.

The same tendency, as I will show further on, is manifesting itself in many of the older counties of Ohio, and, indeed, in all of them except those in which some special enterprise has aided to keep up the old rate of increase.

THE WESTWARD MOVEMENT OF THE CENTRE OF POPULATION IN THE UNITED STATES.

Professor Hilgard, of the Coast Survey, has recently made a series of calculations showing what he calls the centre of gravity of the population of the United States, as shown by each of the last four censuses. This centre he ascertains by supposing a plane of the exact shape and size of the whole territory of the United States, (exclusive of Alaska,) loaded with its actual population, and balanced about a point. That point he calls the centre of gravity of the population. Conducting his calculations in this manner, he finds that in 1840 the centre of population was at a point near the eastern foot of the Cumberland Mountains, in Virginia, and nearly on the parallel of 39° north latitude. During the decade from 1840 to 1850, this center had moved westward fifty-seven miles, to a point nearly south from Parkersburg, Va. During the decade from 1850 to 1860, it had moved westward eighty-two miles, to a point nearly south of Chillicothe, Ohio. In the decade from 1860 to 1870 it moved westward forty-five miles, to a point near Wilmington, Clinton county, Ohio.

Prof. Hilgard remarks, concerning this calculation, that the introduction of new elements, such as Texas and California, in the period between 1840 and 1870, makes it somewhat difficult to draw trustworthy inferences for the future, but he ventured to indicate that, in 1900, the centre of population will be about forty miles southwest of Indianapolis, and not far from the town of Bloomington, Indiana.

This conclusion is an interesting one, but if the preceding observations, on the future probable rate of increase in population, be correct, the proposed centre for 1900 is probably placed too far to the westward.

* The Canadian census of 1871 shows an increase in the population of the Dominion of only 10½ per cent. during the last decade—less than one-half the rate of increase in the United States. This difference of rate between the two countries cannot be attributed to anything else than such conditions as climate, soil political institutions, etc.

FOREIGN AND NATIVE ELEMENTS OF THE POPULATION OF THE UNITED STATES.

Hitherto we have been able to state, concerning the origin of our people, only that they were foreign and native born, white and colored. In the Ninth Census, an important element was added. Besides recording the birth-place of each inhabitant, his parentage was also noted. The result of this class of returns is shown in the following tables:

Total population of the United States and Territories.....	38,555,983
Native born " " "	32,989,437
Foreign born " " "	5,566,546

The native born, as given above, may be still further classified, as follows:

Having foreign father and mother.....	4,168,299
Having foreign father and American mother.....	786,388
Having foreign mother and American father.....	370,782
Having American father and mother.....	27,663,968
Total native born.....	32,989,437

If the Census Bill, which passed the House of Representatives, at the last Congress, had become a law, we should have been able to add some most important elements concerning the relative growth of our native and foreign population. It is frequently asserted, and widely believed, that marriages between native born Americans are less productive than those between foreign born citizens, and that the disparity is increasing. It is cause for profound regret that our Census Returns throw no light on this interesting question. Leaving these general considerations, I invite attention to some special facts concerning

THE POPULATION OF OHIO.

The rank that Ohio has taken among the States and Territories, in respect to population, may be seen in the following table:

Year.	Rank.	Population.
1800.....	18	45,365
1810.....	13	230,760
1820.....	5	581,295
1830.....	4	937,903
1840.....	3	1,519,467
1850.....	3	1,980,329
1860.....	3	2,339,511
1870.....	3	2,665,260

This table exhibits, in a striking manner, the general law according to which population increases. While there has been a marked increase, in each decade, the ratio of increase has been less at each period. The result is manifestly a tendency towards a stationary population.

The three tables following exhibit the elements of which the population of Ohio consists, considered with reference to color, birth-place and parentage.

Classified on the basis of color, the population of Ohio, as it stood June 1st, 1870, was as follows :

Color or Race.	Number.	Per cent.
White	2,601,946	97.62
Colored	63,213	2.38
Indian	100	.....
Chinese	1	.....
Total	2,665,260	100.00

Classified with reference to birth-place, it was as follows :

Birth-place.	Number.	Per cent.
Born in Ohio	1,842,313	69.12
Born in other States and Territories of the Union	450,454	16.90
Foreign born	372,493	13.98
Total	2,665,260	100.00

Classified with reference to parentage, and assuming that both parents of all our foreign born inhabitants were themselves foreign born, it was as follows :

Parentage.	Number.	Per cent.
Foreign born and of foreign born parents..... 372,493 }	731,345	27.45
Native born but of foreign parents..... 358,852 }		
Native born having foreign born father and American mother... 85,435	85,435	3.21
Native born having foreign born mother and American father... 33,035	33,035	1.24
Native born having American father and mother	1,815,445	68.10
Total	2,665,260	100.00

Legeyt, the leading statistician of France says :

That "the three great facts of civil life upon which the existence of society rests, are marriages, births and deaths; and the relations which these three bear to each other determine what statisticians call the movement of population." These are, of course, the primary elements of vital statistics; but in the more popular acceptance of the term, "movement of population," immigration and emigration play a most important part.

In all the States of this Union, one or both of these movements constantly appear. In the new States immigration is the chief movement. In the older States the chief movement is emigration.

Ohio has reached a period of development in which these two forces, are almost exactly equal. That is the number of her native population, that Ohio has given to other States and nations, is nearly equal to the number which she has received from other States and nations.

The account may thus be stated in tabular form: Of her present population Ohio has received—

From other States of the Union	450,454
From foreign countries	372,493
	<u>822,947</u>

She has given to other States of their present population..... 806,983

We have no means of knowing what number of her native population Ohio has given to foreign countries; but probably the number, added to what she has given to other States of the Union, would make the sum of her vital gifts fully equal to those she has received.

From the Census returns, which show the birth-place of the present native population of the United States by States, I have compiled a table, that exhibits the items of Ohio's population account with the States and Territories, as follows:

States and Territories.	Ohio has received—	Ohio has given—	States and Territories.	Ohio has received—	Ohio has given—
Alabama	680	682	North Carolina	4,891	140
Arkansas	323	2,199	Oregon	32	4,031
California	297	12,735	Pennsylvania	149,784	19,295
Connecticut	12,408	928	Rhode Island	1,127	202
Delaware	2,632	152	South Carolina	1,135	95
Florida	76	128	Tennessee	3,703	4,420
Georgia	867	366	Texas	244	2,052
Illinois	6,274	163,012	Vermont	9,055	310
Indiana	17,382	189,359	Virginia and West }	72,950	12,705
Iowa	2,837	126,285	Virginia		
Kansas	277	32,205	Wisconsin	1,868	23,164
Kentucky	26,230	19,533			
Louisiana	1,137	1,499	Arizona	3	235
Maine	2,686	160	Colorado	13	2,057
Maryland	23,392	1,163	Dacota	5	635
Massachusetts	13,390	1,427	Dist. of Columbia...	676	1,042
Michigan	6,348	62,207	Idaho	2	550
Minnesota	372	12,651	Indian Territory	10	...
Mississippi	890	1,171	Montana	6	1,127
Missouri	2,103	76,162	New Mexico	13	274
Nebraska	76	10,729	Utah	3	1,133
Nevada	9	1,858	Washington Ter. ...	3	866
New Hampshire	3,329	212	Wyoming	2	547
New Jersey	13,229	1,868			
New York	67,594	7,512	Totals	450,454	806,983

An analysis of this table will show the geographical lines on which the population of this country moves:

1st. If a line be drawn from Columbus, Ohio, to the western point of Texas, and another from Columbus to the north-eastern point of North Carolina, it will be seen that, as the population now stands, the eleven States that lie wholly or principally south of these lines have given to Ohio but 40,522 of their native born population, and have received from Ohio of its native born population but 32,259. Even of this amount, Ohio has received from Kentucky 14,292, and has given to Kentucky 12,726, leaving the out-flow and inflow for the remaining ten States but 14,292 and 12,726, respectively.

2d. The thirteen States, east of Ohio, and north of the line from Columbus to the north-eastern point of North Carolina, have given, to Ohio, 371,321 of their native born

population; while Ohio has given, to the same States, but 47,709 of her native born population.

3d. The twelve States and nine Territories west of Ohio and north of the line from Columbus to the western point of Texas, have given to Ohio but 37,925 of their native born inhabitants; while Ohio has given to them 727,822 of her native born inhabitants.

The other items of Ohio's population account relate wholly to her exchange of inhabitants with foreign nations. We have no means of ascertaining the number of native born Ohioans who are now residents of foreign countries, but the Census shows the amount of Ohio's indebtedness to foreign nations. It is exhibited in the following table.

Of her present population Ohio has received from—

Country.	Number.	Country.	Number.
Africa	24	Hungary	234
Asia	95	Italy	564
Austria	3,699	Luxemburg	329
Belgium	639	Norway	64
Bohemia	1,429	Pacific Isles	69
Brit. America	12,983	Poland	526
Cent. and S. America	88	Portugal	22
Denmark	284	Russia	181
France	12,781	Spain	32
Germany	182,897	Sweden	252
England	36,561	Switzerland	12,747
Ireland	82,674	West Indies	133
Scotland	7,819	At sea	285
Wales	12,939	Not specified	158
Greece	4		
Holland	2,018	Total	372,493

From this table it will be seen that more than ninety-six per cent. of all the foreign contributions to the present population of Ohio are from English and German speaking peoples.

Having found the state of our population account, with States and Nations, beyond our own borders, it remains to consider the growth of population within the State itself. Here we are confronted with facts of great significance. We have already seen that the total increase of the population of Ohio during the last decade was 13.92 per cent. Was this growth uniform throughout the State? If not, what portions gave the increase? What portions remained stationary? What suffered a decrease?

The total increase, during the past decade, was 323,749. By examining the progress of the population, in the different counties, it will be seen that this increase is produced, almost exclusively, in thirty-seven counties. In eighteen counties there has been a positive decrease of population; and in the remaining thirty-three counties it has remained nearly stationary.

The increase, in the thirty-seven counties referred to, may be traced to three causes. The settlement of unoccupied lands, the development of mining and manufacturing interests, and the growth of cities.

And, first, in the block of seventeen counties, extending from the southern line of Darke and Miami to Michigan and the lake, the increase has been 89,288.

Second. In the two groups of mining and manufacturing counties the increase is also marked. In the Mahoning Valley Group, which consists of Trumbull, Mahoning, Columbiana and Stark, the increase has been 28,111; and in the Hanging Rock Group, which

fills the bend of the river, from Pomeroy to Portsmouth, viz: Meigs, Gallia, Jackson, Lawrence and Scioto, the increase has been 25,387.

Third. But much the largest item of increase is found in the growth of our cities. I append a table which exhibits the increase of each of the cities having a population of more than ten thousand inhabitants. The table also shows the total increase of the counties in which these cities are located :

INCREASE SINCE 1860.

1. Cincinnati	79,612	Hamilton county ..	43,960
2. Cleveland	38,815	Cuyahoga "	53,977
3. Toledo	11,999	Lucas "	20,891
4. Columbus	7,611	Franklin "	12,658
5. Dayton	7,423	Montgomery "	11,776
6. Sandusky	4,604	Erie "	3,714
7. Springfield	2,169	Clark "	6,770
8. Hamilton	3,062	Butler "	4,070
9. Portsmouth	2,062	Scioto "	5,005
10. Zanesville	1,563	Muskingum "	470
11. Akron	2,594	Summit "	7,330
Total	160,614		170,621

It will be seen that, subtracting the growth of the cities, the population of these eleven counties has remained nearly stationary. Indeed, in several of them there has been an actual decrease. Summing up the result, it will be seen that the main increase of the State was as follows :

In 17 new counties in the northwest	89,288
In 9 mining and manufacturing counties	53,498
In 11 city counties	170,621
Total	313,307

Outside of these three groups, the total increase of the State was but 12,442.

The rapid growth of cities is one of the most striking features of modern civilization, and its bearings on the development of industry, and the well-being of society and of individuals, is worthy the most thoughtful study.

Even in Europe, where the increase of population is so slow, the growth of cities is exceptionally rapid. During the ten years, which elapsed between 1841 and 1851, the population of England and Scotland increased but 12 per cent; while the population of the 11 largest cities, of those two countries, increased more than 23 per cent.

I copy the following table, from the last official report, of the census of France, which shows the per cent. of increase, of city population, and the per cent. of decrease of rural population in that country, from 1846 to 1866.

Population.	1846.	1851.	1856.	1861.	1866.
City population	24.42	25.52	27.31	28.86	30.46
Rural population	75.58	74.48	72.69	71.14	69.54
Totals	100.00	100.00	100.00	100.00	100.00
Per cent. of increase of city population		1.10	1.79	1.55	1.60

I may add, as a further illustration of the same tendency, that the aggregate increase of population, during the last decade, in the ten incorporated villages, of Chillicothe, Steubenville, Mansfield, Newark, Xenia, Delaware, Fremont, Wooster and Marietta, amounted to 11,034; while the whole increase in the ten counties in which these villages are situated, has but 11,565. Outside of these principal villages, the population of these ten counties has remained stationary.

All the merely agricultural districts are suffering a constant drain of population, to supply the growth of cities and villages. I have, as yet, seen but a few of the advance sheets of the forthcoming Census Report, and cannot, therefore, draw from that rich mine of social statistics, which will exhibit the number, and average value of our American home, and the progress of our people in education and wealth.

At the end of another year, we shall hope to have many additional facts of the deepest interest to our people. In the meantime, I hope that the General Assembly, of Ohio will enlarge the scope of your duties, in the matter of statistics, so that our citizens may be able to note the progress of our noble State, and to guide, with a still greater wisdom, her future development.

I am dear sir,

Very respectfully yours,

JAS. A. GARFIELD.

Table showing the Population of Ohio by Counties, from 1800 to 1870.

COUNTIES.	1870.	1860.	1850.	1840.	1830.	1820.	1810.	1800.
Total for the State.	2,665,260	2,339,511	1,980,329	1,519,467	937,903	581,295	230,760	45,365
Adams	20,750	20,309	18,883	13,183	12,281	10,406	9,434	3,432
Allen	23,623	19,185	12,109	9,079	578	.....	.....	.....
Ashland	21,933	22,951	23,813	.....	.....	.....	.....	.....
Ashtabula	32,517	31,814	28,767	23,724	14,584	7,375	.....	.....
Athens	23,768	21,364	18,215	19,109	9,787	6,338	2,791	.....
Anglaize	20,041	17,187	11,338	.....	.....	.....	.....	.....
Belmont	39,714	36,398	34,600	30,901	28,627	20,329	11,097	.....
Brown	30,802	29,958	27,332	22,715	17,867	13,356	.....	.....
Butler	39,912	35,840	30,789	28,173	27,142	21,746	11,150	.....
Carroll	14,491	15,738	17,685	18,108	.....	.....	.....	.....
Champaign	24,188	22,698	19,782	16,721	12,131	8,479	6,303	.....
Clarke	32,070	25,300	22,178	16,882	13,114	9,533	.....	.....
Clermont	34,268	33,034	30,455	23,106	20,466	15,820	9,965	.....
Clinton	21,914	21,461	18,838	15,719	11,436	8,085	2,674	.....
Columbiana	38,299	32,836	33,621	40,378	35,592	22,033	10,578	.....
Coshocton	23,600	25,032	25,674	21,590	11,161	7,086	.....	.....
Crawford	25,556	23,881	18,177	13,152	4,791	.....	.....	.....
Cuyahoga	132,010	78,033	48,099	26,506	10,373	6,328	1,459	.....
Darke	32,278	26,009	20,276	13,282	6,204	3,717	.....	.....
Defiance	15,719	11,886	6,966	.....	.....	.....	.....	.....
Delaware	25,175	23,902	21,817	22,060	11,504	7,639	2,000	.....
Erie	28,188	24,474	18,568	12,599	.....	.....	.....	.....
Fairfield	31,138	30,538	30,264	31,924	24,786	16,633	11,361	.....
Fayette	17,170	15,935	12,726	10,944	8,182	6,316	1,854	.....
Franklin	63,019	50,361	42,909	25,049	14,741	10,172	3,486	.....
Fulton	17,789	14,043	7,781	.....	.....	.....	.....	.....
Gallia	25,545	22,043	17,063	13,444	9,733	7,098	4,181	.....
Geauga	14,190	15,817	17,827	16,297	15,813	7,791	2,917	.....
Greene	28,038	26,197	21,946	17,528	14,801	10,521	5,870	.....
Guernsey	23,238	24,474	30,438	27,748	18,036	9,292	3,051	.....
Hamilton	260,370	216,410	156,844	80,145	52,317	31,764	15,258	14,692
Hancock	23,847	22,886	16,751	9,986	813	.....	.....	.....
Hardin	18,714	13,570	8,251	4,598	210	.....	.....	.....
Harrison	18,682	19,110	20,157	20,099	20,916	14,345	.....	.....
Henry	14,028	8,901	3,434	2,503	262	.....	.....	.....
Highland	29,133	27,773	25,781	22,269	16,345	12,308	5,766	.....
Hocking	17,925	17,057	14,119	9,741	4,008	2,130	.....	.....
Holmes	18,177	20,589	20,452	18,088	9,135	.....	.....	.....
Huron	28,532	29,616	26,203	23,933	13,341	6,675	.....	.....
Jackson	21,759	17,941	12,719	9,744	5,941	3,746	.....	.....
Jefferson	29,182	26,115	29,133	25,030	22,489	18,531	17,260	8,768
Knox	26,333	27,735	28,872	29,579	17,085	8,326	2,549	.....
Lake	15,935	15,576	14,654	13,719	.....	.....	.....	.....
Lawrence	31,380	23,249	15,246	9,738	5,367	3,499	.....	.....
Licking	35,756	37,011	38,846	35,096	20,869	11,861	3,852	.....
Logan	23,028	20,996	19,162	14,015	6,440	3,181	.....	.....
Lorain	30,308	29,744	26,086	18,467	5,696	.....	.....	.....
Lucas	46,722	25,831	12,363	9,382	.....	.....	.....	.....
Madison	15,633	13,015	10,015	9,025	6,190	4,799	1,603	.....
Mahoning	31,001	25,894	23,735	.....	.....	.....	.....	.....
Marion	16,184	15,490	12,618	14,765	6,551	.....	.....	.....
Medina	20,092	22,517	24,441	18,352	7,560	3,082	.....	.....
Meigs	31,465	26,534	17,971	11,452	6,158	4,440	.....	.....
Mercer	17,254	14,104	7,712	8,272	1,110	.....	.....	.....
Miami	32,740	29,959	24,999	19,688	12,807	8,851	3,941	.....
Monroe	25,779	25,741	28,351	18,521	8,768	4,645	.....	.....
Montgomery	64,006	52,230	38,218	31,938	24,362	15,999	7,722	.....
Morgan	20,363	22,119	28,585	20,852	11,800	5,297	.....	.....
Morrow	18,583	20,445	20,280	.....	.....	.....	.....	.....

Table showing the Population of Ohio by Counties—Continued.

COUNTIES.	1870.	1860.	1850.	1840.	1830.	1820.	1810.	1800.
Muskingum	44,886	44,416	45,049	38,749	29,334	17,824	10,036	.....
Noble	19,949	20,751	.....	.....	.....	.....	.....	.....
Ottawa	13,364	7,016	3,308	2,248	.....	.....	.....	.....
Paulding	8,544	4,945	1,766	1,034	161	.....	.....	.....
Perry	18,453	19,678	20,775	19,344	13,970	8,429	.....	.....
Pickaway	24,875	23,469	21,006	19,725	16,001	13,149	7,124	.....
Pike	15,447	13,643	10,953	7,626	6,024	4,253	.....	.....
Portage	24,584	24,208	24,419	22,965	18,826	10,095	2,995	.....
Preble	21,809	21,828	21,733	19,452	16,291	10,237	3,304	.....
Putnam	17,081	12,808	7,221	5,189	230	.....	.....	.....
Richland	32,516	31,158	30,879	44,532	24,006	9,169	.....	.....
Ross	37,097	35,071	32,074	27,460	24,068	20,619	15,514	8,540
Sandusky	25,503	21,429	14,305	10,182	2,851	852	.....	.....
Scioto	29,302	24,297	18,428	11,192	8,740	5,750	3,399	.....
Seneca	30,827	30,868	27,104	18,128	5,159	.....	.....	.....
Shelby	20,748	17,493	13,958	12,154	3,671	2,106	.....	.....
Stark	52,508	42,978	39,878	34,603	26,588	12,406	2,734	.....
Summit	34,674	27,344	27,485	22,560	.....	.....	.....	.....
Trumbull	38,659	30,656	30,490	38,107	26,153	15,542	8,671	1,302
Tuscarawas	33,840	32,463	31,761	25,631	14,298	8,328	3,045	.....
Union	18,730	16,507	12,204	8,422	3,192	1,996	.....	.....
Van Wert	15,823	10,238	4,793	1,577	49	.....	.....	.....
Vinton	15,027	13,631	9,353	.....	.....	.....	.....	.....
Warren	26,689	26,902	25,560	23,141	21,461	17,837	9,925	.....
Washington	40,609	36,268	29,540	20,823	11,731	10,425	5,991	5,427
Wayne	35,116	32,483	32,981	35,808	23,333	11,933	.....	3,206
Williams	20,991	16,633	8,018	4,465	387	.....	.....	.....
Wood	24,596	17,886	9,157	5,357	1,102	733	.....	.....
Wyandot	18,553	15,596	11,194	.....	.....	.....	.....	.....

POPULATION OF OHIO BY TOWNSHIPS.

*Totals, and as Native and Foreign, White and Colored, at the Census of 1870;
and as White and Colored at the Censuses of 1860 and 1850.*

NOTE.—The marginal column marks townships; the first indentation, cities; the second, incorporated villages and villages, whose names are placed under and their population included in that of the township in which they are situated.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
ADAMS.									
Franklin	2172	2162	10	2164	8	2259	4	1962	1
Locust Grove	103	102	1	103	.....	.....	.....	.....	.....
Green	1833	1684	149	1830	3	1626	3	1520	.....
Commercial	64	54	10	63	1	.....	.....	.....	.....
Rockville	937	819	118	936	1	.....	.....	.....	.....
Rome	471	460	11	471	.....	.....	.....	.....	.....
Jefferson	2268	2208	60	2255	13	1844	1	1530	.....
Liberty	1377	1342	35	1296	81	1537	7	1496	8
Manchester (a)	982	961	21	958	24	823	11	.....	.....
Manchester (b)	942	921	21	919	23	.....	.....	419	15
Meigs (c)	1748	1728	20	1748	.....	1547	1	1438	.....
Monroe	1304	1288	16	1302	2	1201	5	1191	.....
Wrightsville	63	62	1	63	.....	.....	.....	83	.....
Oliver (c)	1069	1053	16	1069	.....	1052	8	.....	.....
Dunkinsville (d)	65	64	1	65	.....	8	.....	91	.....
Unity	36	36	.....	36	.....	.....	.....	.....	.....
Scott	1409	1390	19	1397	12	1327	.....	1270	.....
Sprigg	2036	2066	20	2045	41	2480	33	3097	21
Bentonville	310	308	2	309	1	.....	.....	378	.....
Tiffin (a)	1858	1752	106	1848	10	1772	15	1963	17
West Union	486	457	29	481	5	432	12	433	11
Wayne (c)	1169	1133	36	1062	107	1180	5	1682	.....
Winchester	1475	1442	33	1403	72	1544	14	1685	8
Winchester	416	399	17	381	35	.....	.....	.....	.....

(a) Since 1850 organized.

(b) In 1850 Manchester Village in Sprigg.

(c) In 1853 Oliver from Meigs, Tiffin, and Wayne.

(d) In 1850 Dunkinsville Village in Tiffin.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
ALLEN.									
Amanda	1376	1338	38	1375	1	1178	.....	607	.....
Anglaize	1696	1678	17	1696	.....	1669	.....	1344	.....
Bath (a)	1255	1197	58	1254	1	1315	17	1501	8
German (a)	1462	1425	37	1458	4	1359	.....	1008	.....
Allentown	90	90	.....	90	.....	.....	.....	.....	.....
Elida	533	522	11	529	4	.....	.....	.....	.....
Jackson	1801	1733	68	1801	.....	1632	.....	1174	1
Lafayette	337	316	21	337	.....	.....	.....	.....	.....
Marion	2920	2452	468	2917	3	2106	14	1034	12
Delphos	1027	768	259	1024	3	.....	.....	372	2
Monroe	1739	1681	58	1739	.....	1514	1	924	.....
Ottawa (a)	4662	3993	669	4475	187	2354	28	.....	.....
Lima (b)	4500	3832	668	4313	187	1960	29	754	3
Perry (a)	1235	1209	26	1235	.....	1283	6	921	2
Richland	2139	1850	289	2138	1	1802	.....	989	.....
Bluffton	489	448	41	48	1	.....	.....	.....	.....
Shawnee (a)	1169	1136	33	115	16	987	3	716	.....
Spencer	1153	1035	118	115	.....	984	.....	354	1
Spencerville	364	343	21	364	.....	.....	.....	.....	.....
Sugar Creek	1016	829	187	1016	.....	932	.....	756	.....
ASHLAND.									
Clear Creek	1196	1039	109	1198	.....	1214	.....	1205	.....
Savaunah	394	357	37	394	.....	223	.....	.....	.....
Green	1818	1773	45	1815	3	1739	4	192	.....
Hanover	1832	1623	209	1832	.....	1296	.....	1902	.....
Loudonville	811	703	108	811	.....	516	.....	.....	.....
Jackson	1408	1379	30	1409	.....	1485	.....	1532	.....
Lake	701	627	74	701	.....	912	.....	880	.....
Mifflin	781	760	21	781	.....	827	.....	891	.....
Milton	1240	1189	51	1240	.....	1300	.....	1432	.....
Mohican	1561	1533	28	1561	.....	1672	.....	1774	.....
Jeromeville	328	322	6	328	.....	.....	.....	.....	.....
Montgomery	4029	3777	252	4018	11	1753	.....	3189	3
Ashland	2601	2386	215	2590	11	1736	12	1261	3
Orange	1485	1428	57	1485	.....	1735	.....	1822	.....
Orange	271	243	28	271	.....	.....	.....	268	.....
Perry	1452	1418	34	1452	.....	1615	.....	1788	.....
Ruggles	758	697	61	757	1	912	.....	1084	.....
Sullivan	825	782	43	824	1	1048	.....	1101	.....
Troy	757	706	51	757	.....	922	.....	849	.....
Vermillion	2087	1937	150	2077	10	2253	.....	2459	.....
Haysville	576	540	36	566	10	336	.....	441	.....

(a) In 1867 Ottawa from Bath, German, Perry and Shawnee.

(b) In 1859 Lima Village in Bath.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
ASHTABULA.									
Andover	921	889	32	921	.....	986	.....	963	.....
Ashtabula	3394	2867	527	3374	20	2740	.....	2164	13
Ashtabula	1999	1638	361	1984	15	1418	.....	808	13
Austinburg	1111	1037	74	1091	20	1185	.....	1275	10
Cherry Valley	726	710	16	723	3	750	.....	839	.....
Colebrook	800	749	51	800	.....	890	.....	688	.....
Conneaut	3010	2776	234	2992	17	2908	8	2686	9
Conneaut	1163	1033	130	1149	14	958	6	809	9
Denmark	544	524	20	544	.....	433	.....	241	.....
Dorset	372	356	16	371	1	328	1	233	3
Geneva	2298	2146	152	2290	8	1758	.....	1358	.....
Geneva	1090	992	98	1088	2	.....	.....	.....	.....
Harpersfield	1120	1046	74	1119	1	1140	.....	1278	.....
Hartsgrove	799	760	39	799	.....	768	.....	650	.....
Jefferson	1712	1584	128	1670	42	1446	14	1063	1
Jefferson	869	822	47	835	34	656	2	438	1
Kingsville	1758	1658	100	1751	7	1729	2	1493	1
Lenox	752	730	22	746	6	873	.....	731	.....
Monroe	1419	1347	72	1417	2	1610	.....	1586	1
Morgan	1083	1021	62	1071	12	591	.....	882	.....
Rock Creek	491	461	30	468	3	443	.....	.....	.....
New Lyme	708	671	37	708	.....	694	.....	628	.....
Orwell	936	843	93	927	9	961	.....	825	.....
Pierpont	990	963	27	988	2	1075	.....	995	4
Plymouth	657	614	43	657	.....	687	.....	753	.....
Richmond	883	842	41	883	.....	965	.....	706	.....
Rome	669	631	38	669	.....	636	.....	744	.....
Saybrook	1421	1295	126	1420	1	1435	.....	1374	.....
Sheffield	770	740	30	770	.....	843	.....	845	.....
Trumbull	1084	1000	84	1084	.....	1033	.....	805	.....
Wayne	817	772	45	817	.....	907	.....	899	.....
Williamsfield	892	882	10	892	.....	971	.....	961	1
Windsor	871	847	24	871	.....	1005	.....	1033	.....
ATHENS.									
Alexander	1511	1502	9	1506	5	1659	16	1728	7
Ames	1229	1220	9	1198	34	1332	3	1422	.....
Amesville	162	162	.....	161	1	.....	.....	.....	.....
Athens	3277	3063	214	3031	246	4101	67	2330	30
Athens	1696	1577	119	1553	143	1294	22	882	16
Bern	1014	1007	7	990	24	954	68	819	.....
Canaan	1543	1461	82	1543	.....	1272	.....	1142	.....
Carthage	1272	1231	41	1272	.....	1127	.....	1087	.....
Dover	1697	1648	49	1689	8	1421	2	1232	.....
Chauncy	201	201	.....	200	1	.....	.....	.....	.....
Milfield	94	92	2	94	.....	.....	.....	.....	.....
Salina	90	89	1	90	.....	.....	.....	.....	.....
Slabby	63	63	.....	63	.....	.....	.....	.....	.....

(a) Also 1 Indian.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
ATHENS—Continued.									
Lee	1146	1133	13	888	258	1127	174	957	4
Albany	480	468	12	300	180	.....	.....	.....	.....
Lodi	1551	1528	23	1551	.....	1598	.....	1333	3
Rome	1972	1897	75	1861	111	1536	45	1277	32
Trimble	1379	1365	14	1373	6	1110	2	924	.....
Trimble	81	81	.....	81	.....	.....	.....	.....	.....
Troy	1830	1809	21	1815	15	1747	.....	1421	.....
Coolville	334	324	10	334	.....	.....	.....	.....	.....
Waterloo	1695	1587	108	1663	32	1466	17	998	18
Marshfield	240	237	3	240	.....	.....	.....	.....	.....
York	2652	2465	187	2618	34	2563	14	1379	12
Nelsonville	1080	981	99	1067	13	741	.....	.....	.....
AUGLAIZE.									
Clay	1095	1018	77	1095	.....	1091	.....	839	1
Duchonquet	3959	3360	598	3945	14	2502	.....	1408	.....
Criderville	167	163	4	167	.....	.....	.....	.....	.....
Wapakoneta	2150	1732	418	2136	14	900	.....	504	.....
German (a)	1750	1196	554	1748	1	1716	5	2230	12
New Bremen	528	337	191	528	.....	374	5	344	.....
Over Bremen	423	296	127	422	1	266	.....	.....	.....
Goshen	524	515	9	524	.....	407	.....	338	.....
Jackson (a)	1502	976	526	1501	1	1554	.....	.....	.....
Minster	868	564	304	867	1	752	.....	427	1
Logan	900	829	71	900	.....	706	.....	335	.....
Monlton	1252	1101	151	1239	112	777	17	439	11
Noble	1159	968	191	1152	7	826	.....	309	.....
Pucheta	1290	1016	274	1290	.....	1280	.....	1008	.....
Salem	877	772	105	877	.....	677	.....	476	.....
Kossuth	112	90	22	112	.....	.....	.....	76	.....
St. Mary's	2420	1988	432	2405	15	2300	42	1512	55
St. Mary's	1370	1104	266	1358	12	1130	24	858	15
Union	1462	1448	14	1462	.....	1430	.....	1008	.....
Washington	840	671	169	840	.....	980	.....	680	8
Wayne	1011	1002	9	1000	11	877	.....	671	.....
BELMONT.									
Colerain	1308	1280	28	1232	76	1277	72	1338	28
Farmington .....	.....	.....	.....	.....	.....	.....	.....	45	.....
Flushing	1484	1479	5	1352	132	1641	125	1745	66
Flushing	206	206	.....	195	11	.....	.....	313	12
Goshen	2163	2086	77	2103	60	1970	31	1978	39
Belmont	287	273	14	265	22	265	3	147	3
Fairmount	125	112	13	125	.....	.....	.....	.....	.....
Kirkwood	1792	1768	24	1791	1	1996	6	2207	1
Sewelsville	84	79	5	84	.....	.....	.....	.....	.....
Mead	1850	1790	60	1849	1	1769	.....	1626	.....

(a) In 1859 Jackson from German.

(b) Also 1 Indian.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
BELMONT—Continued.									
Pease	5211	4688	523	5008	203	3951	104	3449	66
Bridgeport	1178	1076	102	1076	102	598	43	.....	.....
Martinsville	1835	1626	209	1792	43	1216	4	.....	.....
Pultney	6319	5212	1107	6171	148	3453	16	2237	17
Bellaire	4033	3165	868	3917	116	1454	12	.....	.....
West Wheeling	407	373	34	405	2	323	3	437	1
Richland	4170	3873	297	4025	144	4000	142	4254	122
St. Clairsville	1056	983	73	978	78	.....	.....	961	64
Smith	1777	1721	56	1777	.....	1826	.....	1788	9
Demos	167	164	3	167	.....	.....	.....	.....	.....
Jacobsburgh	89	85	4	89	.....	57	.....	156	.....
Somerset	2042	1967	75	1895	147	2033	147	2183	115
Boston	91	91	.....	91	.....	101	.....	71	.....
Somerset	197	194	3	193	4	222	2	193	.....
Temperanceville	120	98	22	120	.....	112	1	91	.....
Union	1684	1650	34	1667	17	1935	64	2273	55
Morristown	423	404	19	423	.....	.....	.....	448	8
Warren	4099	3954	145	3776	323	3203	212	2579	161
Barnesville	2063	1985	78	1921	142	1132	25	820	3
Mount Olivet	84	82	2	84	.....	.....	.....	.....	.....
Washington	1367	1334	33	1355	12	1472	.....	1492	40
Wayne	1700	1680	20	1675	25	1882	30	1897	21
Wheeling	1240	1221	19	1222	18	1377	48	1474	28
Shepherdstown	44	40	4	44	.....	.....	.....	90	.....
Uniontown	156	153	3	156	.....	.....	.....	194	.....
York	1508	1397	111	1508	.....	1610	.....	1302	10
Industry	58	58	.....	58	.....	.....	.....	.....	.....
Powhatan Point	201	180	21	201	.....	.....	.....	.....	.....
Sewellsville	73	60	13	73	.....	.....	.....	.....	.....
BROWN.									
Byrd	1251	1228	23	1103	148	1246	37	2600	42
Decatur	204	198	6	168	36	215	.....	171	.....
Clark	1691	1678	13	1683	8	1371	.....	1450	.....
Faesburg	201	197	4	201	.....	176	.....	182	5
Hamersville	151	148	2	151	.....	119	.....	131	.....
Eagle	1166	1098	70	1011	155	1150	214	1065	214
Fincastle	140	139	1	140	.....	168	.....	145	.....
Franklin	1225	1092	133	1195	30	1115	57	1107	62
Arnheim	117	90	27	117	.....	95	.....	61	.....
Green	1490	1445	45	1480	10	1172	.....	669	.....
Benton	31	31	.....	31	.....	.....	.....	37	.....
Greenbush	42	42	.....	42	.....	.....	.....	.....	.....
Huntington	3020	2869	151	2842	178	2851	3	2681	3
Aberdeen	871	808	63	774	97	833	3	806	2
Jackson	995	941	54	971	24	1081	.....	1231	6
Carlisle	87	83	4	87	.....	95	.....	114	.....
Jefferson	1267	1238	29	1182	85	1283	28	.....	.....
Russellville	359	346	13	358	1	465	.....	386	.....
Lewis	2817	2631	186	2674	143	2742	6	2697	23
Higginsport	530	487	43	530	.....	507	.....	528	7

(a) Also 1 Indian.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
BROWN—Continued.									
Perry	3016	2444	572	3012	4	2809	1	2781	.....
Fayetteville	397	301	96	397	.....	399	.....	317	.....
Pike	1314	1286	28	1313	1	1211	.....	1016	6
Pleasant	2605	2455	150	2397	208	2236	95	1992	82
Georgetown	1037	956	81	965	72	696	27	582	36
Scott	1070	1057	13	976	94	1012	150	936	100
New Hope	145	144	1	145	.....	97	.....	106	.....
Sterling	1394	1360	34	1327	67	1192	17	981	.....
Union	5399	4793	606	4505	894	5159	491	4080	298
Levanna	104	81	23	101	3	218	.....	177	.....
Ripley	2323	2062	261	1874	449	2448	267	1647	135
Washington	1082	1018	64	1064	18	1212	17	1156	27
Sardinia	164	163	1	164	.....	222	9	185	13
BUTLER.									
Fairfield (a)	2431	1969	462	2403	28	2466	37	2742	26
Summer's Corners	127	111	16	127	.....	.....	.....	104	.....
Hamilton	11081	8019	3062	10844	6236	7029	194	3038	172
1st ward (c)	2438	1947	491	2429	9	2198	10	.....	.....
2d ward	2998	2001	997	2905	6192	2722	176	.....	.....
3d ward	3232	2396	836	3210	22	2109	8	.....	.....
4th ward	2413	1675	738	2400	13	.....	.....	.....	.....
Hanover	1460	1262	198	1432	28	1555	9	1490	3
Lemon	5242	4320	922	5177	65	4097	47	3001	20
Amanda	226	188	38	226	.....	.....	.....	.....	.....
Middletown	3046	2476	570	2997	49	2043	27	1075	12
Monroe	324	268	56	323	1	.....	.....	198	.....
Liberty	1443	1347	96	1443	.....	1443	1	1488	13
Bethany	98	96	2	98	.....	121	.....	95	.....
Madison	2450	2084	366	2430	20	2490	.....	2241	1
Madison	158	142	16	158	.....	.....	.....	.....	.....
Miltonville	179	169	10	178	1	247	.....	249	.....
Poast Town	.....	.....	.....	.....	.....	73	.....	126	.....
Trenton	340	230	110	340	.....	301	.....	220	.....
Milford	1828	1589	239	1816	12	1846	39	2063	5
Collinsville	140	112	28	140	.....	.....	.....	.....	.....
Darttown	258	213	45	257	1	.....	.....	.....	.....
Summerville	389	348	41	389	.....	385	.....	.....	.....
Morgan	1807	1638	169	1807	.....	2008	11	1706	.....
Oxford	3959	3466	493	3461	496	3899	353	3043	96
Oxford	1738	1496	240	1452	6285	1649	190	1031	80
Riley	1612	1492	120	1606	6	1633	3	1715	1
Ross	1705	1495	210	1670	35	1689	13	1635	13
St. Clair	1187	1009	178	1167	20	1257	11	2592	10
Rossville (c)	.....	.....	.....	.....	.....	.....	.....	1442	5

(a) Exclusive of City of Hamilton.

(b) Also 1 Indian.

(c) Since 1850 Rossville (village) forms 1st ward of city of Hamilton.

(d) Also 2 Indians.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
BUTLER—Continued									
Union	2013	1780	233	2013	.....	2056	.....	2166	7
Westchester	257	232	25	257	.....	362	.....	214	.....
Wayne	1694	1532	162	1652	42	1648	11	1502	.....
Jacksonburgh	127	124	3	127	.....	153	.....	185	.....
Seven Mile	229	197	32	229	.....	193	.....	94	.....
CARROLL.									
Angusta	1015	972	43	1011	4	1071	.....	1291	6
Brown	2022	1839	183	2012	10	2022	.....	2099	.....
Malvern	269	250	19	269	.....	.....	.....	.....	.....
Minerva	210	204	6	210	.....	.....	.....	.....	.....
Centre	1227	1179	48	1215	12	1203	1	1199	.....
Carrollton	813	775	38	807	6	720	1	.....	.....
East	827	762	65	811	16	877	30	958	29
Fox	1119	1015	104	1119	.....	1196	.....	1452	.....
Harrison	1024	977	47	1024	.....	1033	.....	1268	.....
Lee	901	863	38	898	3	1225	.....	1220	.....
Louden	831	808	23	831	.....	866	.....	840	.....
Monroe	931	917	14	931	.....	1241	.....	1117	.....
Orange	1207	1169	38	1197	12	1275	6	1565	12
Perry	932	906	26	931	1	1060	.....	1277	.....
Rose	1106	1006	100	1106	.....	1286	.....	1537	.....
Union	609	573	36	609	.....	664	.....	804	.....
Washington	740	720	20	740	.....	748	1	1015	5
CHAMPAIGN.									
Adams	1238	1204	34	1204	34	1226	37	1108	15
Concord	1035	1027	8	1009	26	956	52	957	53
Gothen	1965	1870	95	1860	105	1830	26	1919	24
Mechanicsburg	940	873	67	887	53	714	21	667	15
Harrison	944	917	27	934	6	1061	9	968	.....
Spring Hills	172	167	5	172	.....	.....	.....	.....	.....
Jackson	1831	1775	56	1825	6	1771	.....	1735	.....
Johnson	2297	2242	55	2284	13	2016	5	1573	.....
St. Paris .....	.....	.....	.....	.....	.....	548	2	.....	.....
Mad River	1803	1758	45	1803	.....	2008	.....	1907	1
Rush	1789	1696	93	1723	66	1493	29	1400	.....
Lewisburg	733	701	32	697	36	364	15	302	.....
Woodstock .....	.....	.....	.....	.....	.....	300	.....	205	.....
Salem	1854	1730	124	1789	65	1877	24	1604	30
Kennard	70	59	11	70	.....	.....	.....	.....	.....
Union	1600	1570	30	1536	64	1659	22	1604	39
Urbana (a)	1827	1664	163	1559	268	1426	174	1299	95
Urbana	4276	3632	644	3867	409	3064	361	1795	225
1st ward	1538	1344	194	1276	262	.....	.....	.....	.....
2d ward	1499	1335	164	1363	136	.....	.....	.....	.....
3d ward	1239	953	286	1228	11	.....	.....	.....	.....
Wayne	1729	1639	90	1681	48	1525	41	1417	12
Cable .....	.....	.....	.....	.....	.....	127	4	.....	.....
Middletown .....	.....	.....	.....	.....	.....	117	9	.....	.....

(a) Exclusive of city of Urbana.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
CLARKE.									
Bethel	3086	2924	162	3068	18	2887	11	2638	8
Donnelsville						233		196	
Medway						218	10	69	
New Carlisle						802		626	8
German	1918	1824	94	1906	12	1904		1912	
Fremont	218	202	16	218					
Noblesville	60	57	3	0			13		
Greene	1464	1396	68	1308	156	1373		1270	8
Cartsville							7	44	4
Harmony	1821	1656	165	1789	32	1922		1794	10
Plattsburg	87	80	7	87					
Vienna	239	238	1	239			53		
Madison	1965	1742	223	1806	159	1424		1346	63
Seima							16	47	
South Charleston	818	741	77	764	54	500	15	380	33
Mad River	1873	1705	168	1754	119	1702	2	1780	
Enon						659		294	
Moorefield	1268	1187	81	1204	64	1290	22	1195	19
Pike	1582	1531	51	1581	1	1491		1462	
Dialton	61	59	2	61					
North Hampton	205	192	13	205		140		147	
Pleasant	1553	1509	44	1481	72	1527	13	1349	
Catawba	318	316	2	300	18				
Springfield (a)	2888	2557	331	2692	196	2562	92	2203	3
Springfield	12,652	10,483	2169	11,425	1227	6726	276	4896	212
1st ward	2219	1688	531	2097	122	1223	27		
2d "	2559	2087	472	2335	224	1398	59		
3d "	3127	2848	279	2686	441	2255	108		
4th "	3099	2376	723	2880	219	1850	82		
5th "	1648	1484	164	1427	221				
CLERMONT.									
Batavia	3334	3160	174	3238	96	2915	48	2764	27
Batavia	827	786	41	767	60				
Franklin	3298	3158	140	3018	280	3319	70	3039	22
Chilo	160	157	3	160		147			
Felicity	955	919	36	807	148	913	43		
Rural	119	117	2	119		139			
Utopia	80	70	10	80					
Goshen	1876	1736	141	1867	9	1828	4	1922	15
Goshen	274	263	11	274					
Jackson	1658	1608	50	1640	18	1575	1	1241	
Miami	3491	3055	436	3326	165	2995		2667	23
Milford	620	492	128	610	10				
Monroe	2088	1974	114	2052	36	1931	9	1876	21
Laurel	126	126		118	8	130			
Point Pleasant	137	126	11	131	6	109	6		
Ohio	3381	3031	350	2666	714	2737	557	4223	256
New Richmond	2516	2249	267	1886	630	1778	433		
Pierce	1773	1628	145	1751	22	1783	1		

(a) Exclusive of city of Springfield.

(b) Also 1 Indian.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
CLERMONT—Continued.									
Stone Lick	1880	1643	237	1879	1	2038	10	1840	.....
New Boston (a)						357	.....	
Owensville (a)		317	60	377			.....	
Tate	2678	2592	86	2584	94	2728	50	2887	14
Bethel	634	619	15	610	24		.....	
Union	1920	1768	152	1917	3	1996	7	1799	.....
Mount Carmel	192	172	20	192		257	.....	
Withamsville	254	248	6	254		227	6		.....
Washington	2818	2645	173	2722	96	2714	3	2533	7
Moscow	443	406	37	437	6	433	1		.....
Neville	422	400	22	414	8	403	1		.....
Point Isabel	160	158	2	160					.....
Wayne	1690	1657	33	1690		1614	17	1394	.....
Edenton	86	82	4	86					.....
Georgetown	65	65		65					.....
Newtownsville	120	117	3	120					.....
Woodville	72	72		72					.....
Williamsburg	2383	2327	56	2288	95	2028	56	1858	26
Williamsburg	773	754	19	729	44	534	21		.....
CLINTON.									
Adams	883	860	23	802	81	905	71	830	39
Chester	1173	1150	23	1106	67	1313	107	1559	41
New Burlington, pt. of (b)	184	181	3	184		187	4		.....
Clarke	1877	1810	67	1759	118	2255	97	1618	36
Martinsville	264	264		234	30	275	18		.....
Green	2492	2451	41	2452	40	2428	52	1999	27
New Antioch						104	16		.....
New Vienna	573	554	19	562	11	577	3		.....
Jefferson	1445	1391	54	1432	13	1058	22	810	.....
Westboro	237	229	8	237		193	7		.....
Liberty	1184	1168	18	1120	64	1176	29	1226	6
Port William	184	179	5	175	9	212			.....
Marion	1592	1548	44	1591	1	1673	1	995	.....
Blanchester	513	485	28	512	1	553			.....
Richland	1854	1781	73	1819	35	1632	57	1930	45
Sabina						243	12		.....
Union	4227	4065	162	3617	610	3447	262	3344	214
Wilmington	2023	1919	104	1590	433	817	98	1056	182
Vernon	1513	1455	58	1483	30	1135	33	1437	31
Clarkeville	389	369	20	384	5				.....
Washington	1250	1239	11	1250		1317	2	1215	1
Cuba	76	73	3	76					.....
Marshall	39	37	2	39					.....
Wayne	1267	1227	40	1194	73	1200	80	1277	158
Centreville						120			.....
Wilson	1157	1089	68	1144	13	1099	10		.....
Bloomington	119	118	1	119		114			.....

(a) Since 1860 name changed from New Boston to Owensville.

(b) See note (f), Greene county. Total, 227; Native, 224; Foreign, 3; White, 227.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
COLUMBIANA.									
Butler.....	1558	1493	65	1543	15	1686	21	1676	16
Damascus.....	94	89	5	86	8	106	14	.....	.....
Center.....	2895	2672	223	2881	14	2699	4	2801	17
New Lisbon.....	1569	144	124	1565	4	1378	3	.....	.....
Elk Run.....	1335	1271	64	1335	.....	1410	.....	1557	1
Fairfield.....	2652	2517	135	2642	10	2436	5	2357	28
Columbiana.....	870	822	48	860	10	1172	2	.....	.....
Franklin.....	866	711	145	866	.....	991	.....	1164	.....
Hanover.....	2310	2163	147	2290	20	2414	26	2849	9
Dungannon.....	129	.....	.....	.....	.....	158	.....	.....	.....
Hanover.....	481	456	25	465	16	.....	.....	.....	.....
Knox.....	2151	1936	215	2138	13	2143	37	2135	20
North Georgetown.....	173	.....	.....	.....	.....	158	.....	.....	.....
Winchester.....	235	.....	.....	.....	.....	157	.....	.....	.....
Liverpool.....	2937	2379	528	2876	31	2038	13	1562	19
East Liverpool.....	2105	1643	462	2103	2	.....	.....	.....	.....
Madison.....	1204	1132	64	1201	1	1191	.....	1405	1
Middleton.....	1416	1393	23	1416	.....	1833	8	1570	.....
Bayard.....	89	.....	.....	.....	.....	475	5	.....	.....
Perry.....	4388	4068	320	4091	297	3057	127	2324	47
Salem.....	3700	3420	280	3425	275	1812	77	.....	.....
Salem.....	3199	2510	689	3188	11	1783	4	1953	7
Leetonia.....	1200	801	399	1195	5	.....	.....	.....	.....
Washingtonville.....	517	348	169	517	.....	.....	.....	.....	.....
St. Clair.....	1156	1131	25	1143	13	1028	.....	1361	.....
Unity.....	2286	2054	236	2286	.....	2093	3	2093	.....
Washington.....	2228	1769	459	2209	19	1320	13	1192	9
Salineville.....	1429	1090	339	1426	3	485	.....	.....	.....
Wayne.....	766	719	47	766	.....	831	.....	977	.....
West.....	1896	1835	61	1889	7	1534	6	2110	.....
Moultrie.....	19	.....	.....	.....	.....	279	.....	.....	.....
New Chambersburg.....	131	.....	.....	.....	.....	120	.....	.....	.....
Yellow Creek.....	3088	2752	336	3054	34	2069	16	2351	8
Wellsville.....	2313	2044	269	2290	23	1571	16	.....	.....
COSHOCTON.									
Adams.....	1113	1019	94	1113	.....	1178	.....	1419	.....
Bedford.....	918	899	19	918	.....	1273	.....	1221	.....
West Bedford.....	152	150	2	152	.....	.....	.....	.....	.....
Bethlehem.....	850	807	43	838	12	1049	10	813	9
Warsaw.....	.....	.....	.....	.....	.....	184	.....	.....	.....
Clarke.....	867	806	61	867	.....	796	.....	833	.....
Crawford.....	1245	1026	219	1245	.....	1516	.....	1552	.....
Franklin.....	972	875	97	971	1	1031	3	961	5
Jackson.....	1767	1624	143	1766	1	1296	.....	2033	4
Roscoe.....	.....	.....	.....	.....	.....	637	.....	.....	.....
Jefferson.....	1059	932	127	1059	.....	1065	.....	929	.....
Keene.....	787	733	54	787	.....	901	.....	1078	.....
Lafayette.....	920	878	42	920	.....	1085	.....	1040	.....
Linton.....	1600	1479	121	1592	2	1662	2	1590	2
Jacobsport.....	.....	.....	.....	.....	.....	240	.....	217	.....
Plainfield.....	.....	.....	.....	.....	.....	30	.....	.....	.....
Millcreek.....	586	554	32	586	.....	688	.....	872	.....
Mourne.....	832	766	66	832	.....	868	.....	760	.....
New Castle.....	1005	976	29	1005	.....	989	.....	1223	.....

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
COSHOCTON—Continued.									
Oxford	1140	1067	73	1140	.....	1049	.....	1113	.....
Perry	932	921	11	932	.....	1046	.....	1340	.....
East Union	80	78	2	80	.....	.....	.....	.....	.....
Pike	773	755	18	773	.....	919	.....	1020	.....
West Carlisle	175	171	4	175	.....	222	.....	.....	.....
Tiverton	801	735	66	804	.....	830	.....	84	.....
Tuscarawas	2725	2356	369	2708	17	2792	9	1582	5
Coshocton	1754	1535	219	1738	16	1142	9	847	5
Lewisville .....	.....	.....	.....	.....	.....	160	.....	.....	.....
Virginia	1014	947	67	1014	.....	1022	.....	1202	13
Moscow .....	.....	.....	.....	.....	.....	32	.....	.....	.....
Washington	768	754	14	768	.....	902	.....	992	.....
White Eyes	923	859	64	923	.....	992	.....	1132	.....
CRAWFORD.									
Auburn	910	805	105	910	.....	1072	.....	951	.....
Waynesburg	63	48	15	63	.....	52	.....	.....	.....
Bucyrus	4184	3553	631	4150	34	373	.....	2302	10
Bucyrus	3066	2519	547	3032	34	2181	.....	.....	.....
Chathfield	1247	990	257	1247	.....	1432	.....	1351	.....
Cranberry	1281	996	285	1281	.....	1332	.....	1042	.....
New Washington	273	186	87	273	.....	221	.....	.....	.....
Dallas	370	346	24	365	5	46	.....	406	.....
Holmes	1572	1393	179	1572	.....	162	.....	1232	.....
Jackson	4021	3312	709	3981	40	3252	37	1711	.....
Crestline	2279	1892	387	2240	40	1452	29	.....	.....
Liberty	1597	1409	188	1597	.....	172	.....	1782	.....
Annapolis	253	231	22	252	.....	17	.....	.....	.....
Lykins	1140	982	158	1140	.....	126	.....	1182	.....
Polk	4369	3527	842	4347	22	290	2	1312	.....
Galion	3523	2814	709	3501	22	192	2	.....	.....
Sandusky	663	632	31	662	.....	79	.....	822	.....
Texas	566	532	34	562	.....	562	.....	542	.....
Todd	1126	1042	84	1150	.....	1092	.....	572	.....
Vermon	928	792	136	928	.....	1222	.....	1272	.....
De Kalb	70	62	8	70	.....	122	.....	.....	.....
Whetstone	1490	1352	138	1482	1	1524	.....	1052	.....
New Winchester	52	40	12	52	.....	.....	.....	.....	.....
CUYAHOGA.									
Bedford	1782	1321	461	1776	12	1946	11	1852	1
Bedford	822	596	226	822	3	857	2	.....	.....
Brecksville	1007	867	140	1001	6	1024	.....	1112	.....
Brooklyn	3712	2282	1430	3702	10	5349	9	6361	14
Brooklyn	612	528	84	644	4	.....	.....	.....	.....
Chagrin Falls	1321	1102	219	1312	2	1471	8	1242	5
Chagrin Falls	1016	864	152	1012	1	.....	.....	.....	.....

(a) Also 1 Indian.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
CUYAHOGA—Continued.									
Cleveland	92829	54014	38815	91535	1293	42618	799	16810	224
1st ward	8521	4963	3558	8145	372	4724	165	7840	137
2d ward	5618	4021	1597	5525	89	4478	85	5377	57
3d ward	3290	2349	941	3268	22	2730	42	3593	30
4th ward	9950	6361	3489	9655	192	5368	25	.....	.....
5th ward	9725	5457	4268	9695	27	4791	57	.....	.....
6th ward	13324	7491	5833	12807	517	6796	168	.....	.....
7th ward	5658	2818	2840	5651	7	2141	17	.....	.....
8th ward	5416	2553	2863	5414	2	2233	21	.....	.....
9th ward	5940	3773	2167	5935	7	3633	6	.....	.....
10th ward	6590	4292	2298	6565	28	2542	27	.....	.....
11th ward	8059	4406	3653	8035	25	3182	3	.....	.....
12th ward	3812	1777	2035	3815	.....	.....	.....	.....	.....
13th ward	3687	1947	1740	3685	5	.....	.....	.....	.....
14th ward	1538	525	1013	1535	.....	.....	.....	.....	.....
15th ward	1801	1281	520	1805	.....	.....	.....	.....	.....
Dover	1445	1016	429	1445	2	1273	11	1088	14
East Cleveland	5050	3684	1366	4985	68	3001	10	2340	3
Euclid	2188	1585	603	2185	.....	1766	3	1447	.....
Independence	1761	1160	601	1735	26	1649	14	1467	18
Mayfield	892	788	104	895	.....	1079	.....	1117	.....
Middleburg	3662	2302	1360	3655	3	2573	19	1428	62
Herea	1628	1101	527	1625	3	.....	.....	.....	.....
Newburgh	6227	3694	2533	6231	6	2809	1	1542	.....
Olmstead	1570	1196	374	1565	4	1412	2	1216	.....
Olmstead	383	265	118	385	3	.....	.....	.....	.....
Orange	812	632	180	815	.....	1094	1	1063	.....
Parma	1432	953	479	1435	.....	1480	.....	1329	.....
Rockport	2001	1409	592	1985	12	1793	.....	1428	13
Royalton	1089	830	259	1085	1	1297	.....	1253	.....
Solon	899	769	130	895	.....	1009	.....	1034	.....
Strongsville	896	697	199	895	.....	958	.....	1194	5
Warrensville	1429	969	460	1429	.....	1553	1	1410	.....
DARKE.									
Adams	2291	2196	95	2289	2	1752	3	1414	2
Bradford	243	220	23	243	.....	.....	.....	.....	.....
Gettysburg	228	211	17	226	2	.....	.....	.....	.....
Allen	781	745	36	781	.....	536	.....	290	.....
Brown	1239	1157	82	1239	.....	1066	.....	684	.....
Dallas	221	203	18	221	.....	.....	.....	.....	.....
Butler	1524	1491	33	1524	.....	1398	.....	1446	.....
Castine	177	169	8	177	.....	.....	.....	.....	.....
Franklin	1366	1318	48	1366	.....	983	.....	551	.....
German	1743	1718	25	1739	404	1339	346	1309	192
Palestine	264	255	9	264	.....	.....	.....	.....	.....
Tampico	67	65	2	24	43	.....	.....	.....	.....

(b) Also 1 Indian.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
DARKE—Continued.									
Greenville	5688	5069	619	5637	51	4307	14	3395	22
Cole Town	86	85	1	86					
Greenville	2520	2161	359	2497	23	1650		1029	16
Perinville	356	304	52	356	1				
Harrison	2007	1947	60	2007		1804	9	1705	
Hollansburg	239	239		239					
New Madison	452	406	44	452					
Jackson	2088	1953	135	2088		1340	6	564	1
Union City	792	686	106	792					
Mississinawa	798	757	41	798		722		378	
Monroe	1226	1138	88	1226		1015		918	
Neave	1093	1072	21	1093		904	2	888	
Jefferson	107	99	8	107				107	
Sampson	346	346		346					
Patterson	978	857	121	978		732	16	319	
Richland	1105	1066	39	1105		914		798	
Twin	1998	1931	67	1998		1673		1399	1
Arcanum	450	443	7	450					
Gordon	87	82	5	87					
Ithica	150	146	4	150					
Van Buren	1212	1189	23	1198	14	912		780	
Wabash	824	797	27	819	5	542		309	
Washington	1537	1498	39	1474	63	1331	66	1229	21
Hillgrove	117	104	13	117					
Wayne	1983	1736	247	1961	22	1633	19	1153	9
York	797	762	35	797		625		499	
DEFIANCE.									
Adams	1220	884	336	1220		754		432	
Defiance	3615	2812	803	3568	47	2316	15	1270	11
Defiance	2750	2072	678	2709	41	925	7	879	11
Delaware	1160	1012	148	1160		891	4	444	
Farmer (a)	1184	1156	28	1184		1180		894	
Hicksville	1287	1247	40	1287		910		507	
Highland	946	83	109	898	48	771	27	365	
Mark (a)	595	547	48	595		391			
Milford	1555	1448	107	1546	9	1266	23	645	
Noble	867	693	174	867		770		558	
Brunersburg	185	150	35	185		194		169	
Richland	1194	1014	180	1187	7	908		694	8
Tiffin	1080	974	106	1080		915		709	
Evansport	191	188	3	191		218		165	
Washington	1016	898	118	1016		749		428	
DELAWARE.									
Berkshire	1336	1322	14	1330	6	1392		1556	1
Sunbury	236	230	6	235	1			336	1
Berlin	1330	1266	64	1325	5	1286	17	1150	1
Brown	1108	1046	62	1105	3	1181		1176	

(a) In 1851 Mark from Farmer.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
DELAWARE—Cont'd.									
Eden.....	191	190	1	191	.....	.....	.....	.....	.....
Concord.....	1092	1053	39	1032	30	1109	27	132	43
Delaware.....	6861	5851	1010	6472	389	5171	50	325	70
Delaware.....	5641	4739	902	5275	366	3360	29	2004	70
Genoa.....	1070	1012	38	1046	4	1126	.....	1308	.....
Harlem.....	1149	1141	8	1143	6	1289	.....	118	.....
Kingston.....	587	585	2	587	.....	67	.....	761	.....
Liberty.....	1395	1353	42	1392	3	1170	6	1011	5
Marlboro.....	562	521	41	562	.....	512	.....	587	.....
Orange.....	1260	1217	49	1233	33	979	11	1151	.....
Oxford.....	1250	1185	65	1218	32	1135	.....	82	.....
Ashley.....	454	428	26	431	20	.....	.....	.....	.....
Porter.....	819	786	33	819	.....	1079	.....	103	.....
Radnor.....	1255	1037	198	1221	34	114	.....	1200	4
Scioto.....	1542	1514	28	153	7	1571	8	112	.....
Thompson.....	868	857	9	868	.....	862	8	721	11
Trenton.....	907	899	8	902	5	99	.....	123	.....
Troy.....	800	761	39	800	.....	898	1	971	.....
ERIE.									
Berlin.....	1741	1601	140	1738	3	1717	.....	1581	1
Flournoe.....	1341	1212	129	1336	5	1565	.....	1491	.....
Groton.....	910	740	171	907	3	1080	.....	884	.....
Huron.....	1483	1222	262	1481	2	2546	.....	1394	3
Huron.....	697	583	114	696	1	802	.....	.....	.....
Kelley's Island.....	838	532	306	838	.....	477	.....	186	.....
Margaretta.....	1622	1707	315	1565	57	1854	38	1537	.....
Milan.....	2210	1900	310	2192	18	270	.....	2661	36
Milan.....	774	654	120	768	6	771	.....	.....	.....
Oxford.....	1238	949	289	1231	7	1487	.....	981	.....
Perkins.....	1291	977	314	1242	49	1419	17	1160	47
Portland (a).....	681	447	234	654	27	388	1	4974	113
Sandusky.....	13000	8396	4604	12831	(b) 168	8324	84	.....	.....
1st ward.....	247	1732	743	2457	18	.....	.....	.....	.....
2d ward.....	288	2033	849	2769	(b) 112	.....	.....	.....	.....
3d ward.....	2656	1091	965	2639	17	.....	.....	.....	.....
4th ward.....	2697	1661	1033	267	21	.....	.....	.....	.....
5th ward.....	2228	1276	1014	2290	.....	.....	.....	.....	.....
Vermillion.....	1831	1504	329	1830	3	1601	.....	1514	2
Vermillion.....	721	571	150	721	.....	801	.....	.....	.....
FAIRFIELD.									
Amanda.....	1547	1502	45	1544	3	1701	1	1783	5
Amanda.....	.....	.....	.....	.....	.....	.....	.....	181	.....
New Strasburg.....	44	44	.....	44	.....	.....	.....	.....	.....
Royalton.....	158	157	1	158	.....	.....	.....	252	.....
Anbun(c).....	.....	.....	.....	.....	.....	.....	.....	624	.....
Berne.....	3056	2734	322	3019	37	2463	18	2612	38

(a) Exclusive of the city of Sandusky.

(b) Also 1 Indian.

(c) Since 1850 abolished.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1880.		1890.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
FAIRFIELD—Continued.									
East Lancaster	566	485	81	541	25	.....	.....	.....	.....
Sugar Grove	254	242	12	254	.....	.....	.....	.....	.....
Bloom	2071	1956	115	2071	.....	222	.....	222	2
Canal Winchester (a) .....	.....	.....	.....	.....	.....	.....	.....	349	1
Greencastle	59	55	4	59	.....	.....	.....	.....	.....
Jefferson	76	68	8	76	.....	.....	.....	.....	.....
Lithopolis	394	374	20	394	.....	.....	.....	.....	.....
Clear Creek	1743	1731	12	1743	.....	189	7	1736	3
Oakland	152	149	3	152	.....	.....	.....	.....	.....
Stoutsville	160	160	.....	160	.....	.....	.....	.....	.....
Greenfield	1944	1841	103	1932	12	2019	22	2112	1
Carroll	147	170	17	187	.....	.....	.....	.....	.....
Dumontville	10	9	1	10	.....	.....	.....	.....	.....
Geschville	58	58	.....	58	.....	.....	.....	.....	.....
Havenport	8	82	1	83	.....	.....	.....	.....	.....
Hocking (b)	2005	1839	166	1974	31	1804	38	1801	25
Lancaster	4725	4005	720	4510	215	4162	141	3230	187
1st ward	1639	1392	247	1569	70	.....	.....	.....	.....
2d ward	983	899	84	894	89	.....	.....	.....	.....
3d ward	1253	1019	234	1224	29	.....	.....	.....	.....
4th ward	250	695	155	823	27	.....	.....	.....	.....
Liberty	3000	2856	144	3000	.....	2946	1	2889	13
Baltimore	489	471	18	469	.....	.....	.....	491	1
Basil	220	197	23	220	.....	.....	.....	200	.....
Madison	129	124	50	129	5	1188	.....	1163	1
Pleasant	2327	2216	111	2318	9	2118	.....	2010	1
Richland	1517	1497	20	1517	.....	1425	20	1776	.....
East Rushville	221	217	4	221	.....	.....	.....	.....	.....
West Rushville	185	181	4	185	.....	.....	.....	.....	.....
Rush Creek	1752	1714	38	1752	.....	2175	.....	1218	.....
Bremen	265	258	7	265	.....	.....	.....	.....	.....
Violet	2037	2015	72	2035	2	2038	1	2541	3
Lockville	131	113	18	131	.....	.....	.....	.....	.....
Peckerington	195	19	.....	194	1	.....	.....	150	1
Waterloo	85	84	1	85	.....	.....	.....	.....	.....
Walnut	2072	2042	30	2072	.....	2119	1	2128	2
Millersport	149	148	1	149	.....	.....	.....	118	.....
New Salem	177	176	1	177	.....	.....	.....	217	.....
FAYETTE.									
Concord	981	950	22	981	.....	1033	11	923	.....
Stanton .....	.....	.....	.....	.....	.....	120	.....	87	.....
Greene	879	868	14	870	9	816	10	1058	.....
Buena Vista .....	.....	.....	.....	.....	.....	118	.....	107	.....
Jasper	1992	1952	40	1962	124	1634	117	1111	78
Jefferson	2532	2438	97	2442	90	2200	24	1872	.....
Jeffersonville	212	190	16	210	2	.....	.....	.....	.....
Madison	1300	1282	18	1280	20	1307	41	862	1
Waterloo	120	116	4	120	.....	.....	.....	.....	.....
Marion	743	727	16	695	48	864	73	826	5
Paint	1742	1703	39	1571	(c) 170	1607	122	120	51

(a) In 1851 Canal Winchester, Fairfield county, to Franklin county, and name changed to Winchester.

(b) Exclusive of city of Lancaster.

(c) Also 1 Indian.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
FAYETTE—Continued.									
Bloomingsburg	312	311	1	276	36	.....	.....	1053	35
Perry	1194	1167	27	1057	137	1104	49	1053	35
Martinsburg .....	.....	.....	.....	.....	.....	142	5	133	.....
Union	4471	4235	236	4079	392	3262	174	2285	107
Washington	2117	1945	172	1864	253	968	67	557	12
Wayne	1336	1297	39	1252	84	1429	63	1229	14
Good Hope	118	118	.....	104	14	.....	.....	.....	.....
FRANKLIN.									
Blendon	1771	1701	70	1726	45	1735	12	1300	.....
Westerville	741	721	20	711	30	664	4	.....	.....
Brown	819	741	78	809	10	910	26	674	7
Clinton	1800	1507	293	1725	75	1381	32	1144	42
Columbus	31,274	23,663	7611	9,427	1847	17,557	997	16,605	1277
1st ward	3045	2400	645	2836	209	4522	503	3325	477
2d "	2621	2267	354	2386	235	2444	140	2443	276
3d "	2575	2217	358	2451	124	2661	77	3091	187
4th "	3671	2957	714	3451	220	3367	85	4019	109
5th "	3849	2614	1235	3598	251	4563	192	3727	228
6th "	4728	2699	1829	4672	56	.....	.....	.....	.....
7th "	3025	2315	710	2950	75	.....	.....	.....	.....
8th "	4361	3425	936	3710	651	.....	.....	.....	.....
9th "	3399	2569	830	3373	26	.....	.....	.....	.....
Franklin	2629	2255	374	2564	65	2263	38	1846	5
Franklinton	690	568	122	690	.....	614	1	596	.....
Hamilton	1827	1645	182	1786	41	1707	28	1478	7
Lockbourne	281	254	27	281	.....	205	.....	218	.....
Shadeville	124	117	7	123	1	.....	.....	.....	.....
Jackson	1923	1748	175	1900	23	2029	12	1544	6
Grove City	143	123	20	143	.....	.....	.....	.....	.....
Jefferson	1405	1303	102	1394	11	1391	.....	1236	.....
Madison	3440	3266	174	3434	6	3395	.....	2443	37
Groveport	627	590	37	625	2	540	.....	480	3
Winchester (a)	633	601	32	633	.....	459	.....	.....	.....
Mifflin	1562	1416	146	1512	50	1296	18	1095	.....
Montgomery (b)	2470	1937	533	2289	181	3252	71	1245	1086
Piqua	2364	1859	505	2183	181	.....	.....	.....	.....
Norwich	1632	1507	125	1567	65	1466	29	1036	17
Hilliard	282	267	15	276	6	.....	.....	.....	.....
Perry	1297	1239	58	1227	70	1298	38	1146	23
Plain	1293	1273	20	1293	.....	1507	.....	1561	.....
New Albany .....	.....	.....	.....	.....	.....	115	.....	168	.....
Pleasant	1833	1688	145	1801	32	1784	16	1071	.....
Georgesville	22	22	.....	18	4	.....	.....	.....	.....
Harrisburg	153	141	12	153	.....	140	.....	109	.....
Prairie	1364	1213	151	1316	48	1369	5	1043	.....
Sharon	1480	1415	65	1398	92	1622	36	1471	38
Worthington .....	.....	.....	.....	.....	.....	349	7	446	38
Truro	1866	1691	175	1793	73	2066	167	2105	48
Reynoldsburg	457	440	17	450	7	.....	.....	.....	.....
Washington	1334	1274	60	1300	34	1375	45	1256	14
Dublin .....	.....	.....	.....	.....	.....	.....	.....	271	3

(a) In 1851 Canal Winchester, Fairfield county, to Franklin county, and name changed to Winchester.

(b) Exclusive of city of Columbus.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
FULTON.									
Amboy	1089	953	136	1089	.....	1033	.....	460	.....
Chesterfield	926	890	31	922	4	833	.....	539	.....
Clinton	3235	2948	287	3227	8	1912	.....	708	.....
Wauseon	1474	1307	167	1466	8	378	.....	.....	.....
Dover	930	883	47	929	1	750	1	381	.....
Franklin	999	835	164	998	1	1016	.....	720	.....
Fulton	1328	1223	105	1328	.....	1159	.....	625	.....
German	2479	1797	682	2478	1	1872	.....	981	1
Archbald	373	247	126	372	1	.....	.....	.....	.....
Gorham	1655	1611	44	1655	.....	1480	.....	906	.....
Pike	878	831	47	876	2	676	.....	485	.....
Royalton	871	813	58	869	2	748	.....	570	.....
Swan Creek	1100	1022	78	1099	1	943	.....	621	.....
York	2299	2135	164	2296	3	1615	.....	784	.....
Delta	753	644	109	750	3	.....	.....	.....	.....
GALLIA.									
Addison	1340	1329	11	1133	207	1163	41	907	17
Cheshire	1895	1870	25	1712	183	1709	6	1410	.....
Cheshire	276	273	3	264	12	.....	.....	.....	.....
Clay	1400	1391	9	1399	1	1204	.....	949	.....
Gallipolis (a)	868	820	48	626	242	2892	526	421	121
Gallipolis	3711	3456	255	2965	746	.....	.....	1478	208
1st ward	1069	936	133	1039	30	.....	.....	.....	.....
2d ward	1156	1066	90	1090	66	.....	.....	.....	.....
3d ward	1486	1454	32	836	650	.....	.....	.....	.....
Greene	1577	1503	74	1333	244	1234	109	1131	145
Greenfield	1386	1243	143	1324	62	950	73	736	216
Guyan	1279	1273	6	1279	.....	801	5	549	11
Harrison	1329	1304	25	1329	.....	1225	.....	1008	.....
Huntington	1609	1575	34	1461	148	1559	89	1259	49
Ewington	191	189	2	175	16	.....	.....	.....	.....
Vinton	137	135	2	136	1	.....	.....	.....	.....
Morgan	1403	1393	10	1256	147	1282	117	1023	105
Ohio	978	965	13	978	.....	889	4	492	12
Perry	1514	1319	195	1478	36	1554	42	1177	31
Raccoon	1700	1511	189	1389	311	1553	256	1334	139
Springfield	1824	1788	36	1350	474	1317	309	1087	143
Walnut	1732	1649	83	1731	1	1121	13	904	1
GEAUGA.									
Auburn	783	743	40	782	1	942	.....	1184	.....
Bainbridge	660	624	36	660	.....	796	2	1014	.....
Burton	1004	983	21	1004	.....	1044	1	1063	.....
Chardon	1772	1640	132	1769	3	1539	.....	1621	.....
Chardon	885	789	96	884	1	582	.....	546	.....
Chester	727	671	56	725	2	865	.....	1103	.....
Claridon	909	866	43	908	1	993	.....	1009	.....
Hampden	767	735	32	766	1	902	.....	912	7

(a) Exclusive of City of Gallipolis.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
GEAUGA—Continued.									
Huntsburg.....	824	809	15	821	3	835	.....	1007	.....
Middlefield.....	732	716	16	732	.....	872	.....	918	.....
Montville.....	705	652	23	705	.....	760	.....	702	.....
Munson.....	761	722	39	760	1	1006	.....	119	.....
Newberry.....	661	833	2	860	1	1047	1	125	.....
Parkman.....	953	931	22	949	5	1004	3	138	.....
Russell.....	805	735	70	804	1	959	.....	108	.....
Thompson.....	1095	975	120	1095	.....	1237	.....	1211	.....
Troy.....	832	814	18	830	2	959	.....	1164	.....
GREENE.									
Bath.....	2044	2528	156	2657	27	2662	1	2070	9
Fairfield.....	397	381	16	397	.....	531	1	415	7
Osborn.....	639	577	62	629	10	423	.....	.....	.....
Beaver Creek.....	2289	2179	110	2265	24	2220	7	2063	.....
Cæsar's Creek (a) (b).....	1114	1104	10	1072	42	1129	54	1827	43
Cedarville (a).....	2361	2240	121	1964	6373	2442	95	.....	.....
Cedarville.....	753	693	60	713	44	657	1	.....	.....
Jefferson (c).....	1277	1248	29	1246	31	1262	16	.....	.....
Bower-ville.....	193	191	2	183	10	.....	.....	.....	.....
Miami.....	2784	2594	190	2399	385	2232	82	1833	32
Clinton.....	253	233	20	248	5	281	.....	258	.....
Yellow Springs.....	1435	1326	109	1201	234	1250	69	133	5
New Jasper (a).....	1034	1071	13	904	180	858	35	.....	.....
Ross (a).....	1076	1031	45	943	133	1154	8	1368	5
Silver Creek (e).....	1701	1630	41	1544	157	1703	52	2527	38
Jamestown.....	532	528	12	468	64	545	14	333	4
Spring Valley (b).....	1555	1517	38	1485	70	1618	22	.....	.....
New Burlington, pt. of (f).....	43	43	.....	43	.....	.....	.....	.....	.....
Spring Valley.....	290	266	24	290	.....	.....	.....	.....	.....
Sugar Creek (b).....	1482	1438	44	1467	15	1567	27	307	25
Bl Brook.....	369	343	26	369	.....	507	.....	500	2
Xenia (a) (b) (g).....	2254	2154	100	1566	688	2019	271	3858	172
Xenia.....	6377	5686	691	4687	1690	3852	80	2634	330
1st ward.....	974	883	91	885	89	.....	.....	.....	.....
2d ward.....	1037	967	120	932	155	.....	.....	.....	.....
3d ward.....	1441	1241	163	1048	396	.....	.....	.....	.....
4th ward.....	1807	1751	54	844	961	.....	.....	.....	.....
5th ward.....	1067	804	263	978	89	.....	.....	.....	.....

(a) In 1853 New Jasper from Cæsar's Creek, Cedarville, Ross and Xenia.

(b) In 1856 Spring Valley from Cæsar's Creek, Sugar Creek and Xenia.

(c) Also 21 Indians.

(d) Also 6 Indians.

(e) In 1858 Jefferson from Silver Creek.

(f) See note (b). Clinton county.

(g) Exclusive of city of Xenia.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1880.		1880.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
GUERNSEY.									
Adams	762	732	30	762	.....	804	.....	860	.....
Beaver (a) .....	.....	.....	.....	.....	.....	.....	.....	1936	5
Williamsburg .....	.....	.....	.....	.....	.....	.....	.....	326	.....
Buffalo (a) .....	.....	.....	.....	.....	.....	.....	.....	1033	.....
Cambridge	3624	3389	235	3476	148	2877	99	2468	20
Cambridge	2193	2071	122	2060	133	1400	52	1021	20
Centre	1016	926	90	989	27	886	37	1022	44
Jackson (b)	867	848	19	845	22	935	24	1180	12
Byesville	25	25	.....	25	.....	.....	.....	35	.....
Jefferson	904	888	16	904	.....	908	.....	857	.....
Knox	810	758	52	808	2	786	7	755	.....
Liberty	1163	1132	31	1163	.....	1238	.....	1001	.....
Liberty	169	166	3	169	.....	163	.....	176	.....
Salem	93	91	2	93	.....	.....	.....	.....	.....
Londonderry	1313	1276	37	1313	.....	1474	.....	1548	.....
Londonderry	69	67	2	69	.....	67	.....	93	.....
Madison	1170	1151	19	1169	1	1636	16	1519	.....
Antrim	160	159	1	160	.....	237	5	252	.....
Winchester	179	174	5	178	1	197	.....	147	.....
Millwood	1524	1491	33	1523	1	1855	.....	1624	.....
Millwood	367	361	6	367	.....	246	.....	216	.....
Salesville	172	168	4	172	.....	120	.....	71	.....
Monroe	1018	985	33	1017	1	975	.....	1076	.....
Birmingham	210	203	7	209	1	.....	.....	174	.....
Oxford	1709	1649	60	1689	20	2378	22	2174	35
Fairview	377	352	25	361	16	354	7	420	24
Middletown	166	159	7	166	.....	178	.....	257	10
Richland (b)	1404	1385	19	1396	8	2168	13	1438	.....
New Gottingen	33	31	2	33	.....	40	.....	54	.....
Seneca ville	376	374	2	370	6	459	6	457	.....
Seneca (a) .....	.....	.....	.....	.....	.....	.....	.....	1411	.....
Mount Ephraim .....	.....	.....	.....	.....	.....	.....	.....	121	.....
Spencer (b)	1359	1343	16	1328	31	1765	25	1833	14
Cumberland	319	311	8	319	.....	362	.....	430	1
Valley (b)	834	824	10	834	.....	1048	.....	.....	.....
Hartford	95	95	.....	98	.....	103	.....	113	.....
Point Pleasant	138	136	2	138	.....	114	.....	106	.....
Washington	712	698	14	712	.....	832	.....	972	.....
Westland	889	856	33	889	.....	1133	1	1123	3
Claysville	118	112	6	118	.....	159	.....	205	.....
Wheeling	1090	1055	35	1089	1	1280	1	1159	.....
Bridgeville	40	40	.....	40	.....	.....	.....	.....	.....
Wills	1670	1630	40	1587	83	2176	49	2181	15
Elizabethtown	44	44	.....	44	.....	217	.....	131	.....
Washington	554	544	10	498	56	697	44	739	20
Wright (a) .....	.....	.....	.....	.....	.....	.....	.....	1030	.....

(a) In 1851, Beaver, Buffalo, Seneca, and Wright to Noble county.

(b) In 1852, Valley from Jackson, Richland, and Spencer.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
HAMILTON.									
Anderson.....	4077	3513	564	4048	29	3392	47	3012	36
Cincinnati.....	216239	136627	79612	210335	15900	157313	3731	112198	3237
1st ward.....	10192	6480	3712	9672	4519	7053	318	6415	434
2d ward.....	3953	2616	1337	3712	241	3996	162	8012	201
3d ward.....	8644	5348	3296	8581	63	8231	82	7565	103
4th ward.....	6002	3560	2442	5621	381	10513	825	10386	571
5th ward.....	6286	3833	2453	6115	171	5796	144	5117	166
6th ward.....	8569	5283	3286	8222	347	7500	293	9220	408
7th ward.....	8092	4617	3475	7967	125	7586	121	9168	176
8th ward.....	17523	11596	5927	17262	261	13212	80	14324	98
9th ward.....	8816	4890	3926	8784	32	9021	36	9885	820
10th ward.....	11054	5837	5217	11014	40	11445	74	12879	153
11th ward.....	6247	3976	2271	6228	19	12718	20	19227	107
12th ward.....	13580	7474	6106	13529	51	18564	32	.....	.....
13th ward.....	7480	4584	2896	6388	1092	6559	978	.....	.....
14th ward.....	8836	6026	2810	8286	550	8777	258	.....	.....
15th ward.....	13712	9964	3748	13152	590	11671	275	.....	.....
16th ward.....	17483	11631	5852	17183	2299	10647	32	.....	.....
17th ward.....	4880	3617	1263	4878	2	4024	1	.....	.....
18th ward.....	16231	10421	5810	16110	121	.....	.....	.....	.....
19th ward.....	8883	4951	3932	8876	7	.....	.....	.....	.....
20th ward.....	2350	1620	730	2302	48	.....	.....	.....	.....
21st ward.....	5333	3345	1988	5273	459	.....	.....	.....	.....
22d ward.....	2362	1882	480	1896	466	.....	.....	.....	.....
23d ward.....	2357	1465	892	2340	17	.....	.....	.....	.....
24th ward.....	1421	1125	296	1421	.....	.....	.....	.....	.....
Addition of May 16th, 1870 (a).....	1446	977	469	1365	180	.....	.....	.....	.....
Addition of May 16th, 1870 (b).....	484	321	163	483	1	.....	.....	.....	.....
Addition of May 16th, 1870 (c).....	859	618	241	818	41	.....	.....	.....	.....
Addition of May 16th, 1870 (d).....	4602	2875	1727	4552	50	.....	.....	.....	.....
Addition of May 16th, 1870 (e).....	4108	2747	1361	4025	83	.....	.....	.....	.....
Addition of May 16th, 1870 (f).....	2908	1884	1024	2821	87	.....	.....	.....	.....
Addition of May 16th, 1870 (g).....	1546	1064	482	1459	87	.....	.....	.....	.....
Colerain.....	3689	2806	883	3662	27	3904	29	3102	23
Georgetown.....	172	144	28	172	.....	.....	.....	.....	.....

- (a) Unwarded sections 2 and 8 of Mill Creek.
 (b) Part of Riverside, in Delhi Township, and Delhi Township at large.
 (c) Sections 21, 22, 27, 28, 33 and 34, Columbia and Columbia at large.
 (d) Part of Mill Creek west of Colerain pike and south of section 35; also Mill Creek west of Colerain pike at large.
 (e) Part of Mill Creek north of Colerain pike and Mill Creek and Mill Creek at large.
 (f) Part of Mill Creek between Colerain pike, Mill Creek, and Carthage pike.
 (g) Part of Mill Creek east of Carthage pike and south of the south line of sections 5 and 11; also remainder of that portion of Mill Creek being east of Carthage pike and Mill Creek, and north of south line of sections 5 and 11.
 (A) Also 4 Indians.
 (i) Also 1 Indian.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	.	Colored.	White.	Colored.	White.	Colored.
HAMILTON—Continued.									
Columbia	3184	2636	548	3102	82	2923	8	2408	5
Crosby (a)	2514	2186	328	2473	41	1142	40	2480	8
Harrison	1417	1192	225	1400	17	1336	7	940	.....
New Baltimore	96	74	22	96	.....	.....	.....	104	.....
New Haven	161	154	7	161	.....	.....	.....	141	.....
Shaker or Whitewater	123	102	21	123	.....	.....	.....	.....	.....
Delhi	2620	1841	779	2577	43	2687	13	1941	1
Fulton (b) .....	.....	.....	.....	.....	.....	.....	.....	3224	.....
Green	4358	3334	1022	4258	98	4405	21	3947	1
Harrison (a)	758	661	97	749	9	2059	7	.....	.....
Miami	2105	1882	223	1907	198	1554	134	1491	65
Miamitown .....	.....	.....	.....	.....	.....	.....	.....	211	12
Mill Creek	3291	2368	923	3091	200	13634	210	6178	109
Spencer	2543	2000	543	2508	35	2548	4	1665	1
Columbia	1105	912	193	1091	14	.....	.....	.....	.....
Springfield (d)	6548	5085	1463	5954	594	5252	296	3597	36
Glendale	1780	1330	450	1682	98	669	21	.....	.....
Hartwell	67	61	6	63	4	.....	.....	.....	.....
Springdale	382	354	28	355	27	.....	.....	.....	.....
Storrs (c) .....	.....	.....	.....	.....	.....	3845	17	1667	9
Sycamore (d)	5460	4291	1169	5395	65	4631	26	3715	16
Lockland (d)	1299	1164	135	1008	291	.....	.....	.....	.....
Reading	1575	940	635	1575	.....	1225	5	.....	.....
Symmes	1377	1174	203	1340	37	1107	.....	1115	.....
Whitewater (a)	1609	1467	142	1535	74	.....	.....	.....	.....
HANCOCK.									
Allen	969	935	36	969	.....	1005	.....	864	5
Van Buren	157	146	11	157	.....	.....	.....	121	1
Amanda	1469	1444	25	1469	.....	1470	.....	1162	.....
Big Lick	1179	1111	61	1179	.....	1266	.....	1008	.....
Blanchard	1304	1258	46	1304	.....	1161	.....	1051	.....
Cass	759	708	51	759	.....	860	.....	621	.....
Delaware	1280	1261	19	1218	62	1196	35	1032	3
Eagle	1330	1283	47	1330	.....	1371	.....	950	.....
Findlay	4073	3641	432	4018	55	3331	15	2020	12
Findlay	3315	2898	417	3261	54	2452	15	1251	5
Jackson	1209	1188	21	1209	.....	1272	.....	830	.....
Liberty	1011	991	20	1011	.....	1050	.....	874	.....
Madison	967	890	77	967	.....	844	.....	667	.....
Marion	990	934	56	990	.....	1064	.....	904	.....
Orange	1167	1119	48	1167	.....	987	.....	698	6
Pleasant	1336	1287	49	1336	.....	1151	.....	522	.....
McComb	319	316	3	319	.....	.....	.....	.....	.....
Portage	899	862	37	899	.....	835	.....	614	.....
Union	1546	1485	61	1546	.....	1604	.....	1150	.....
Van Buren	780	678	102	780	.....	713	.....	536	.....
Washington	1579	1466	113	1579	.....	1662	.....	1222	.....
Arcadia	288	282	6	288	.....	.....	.....	.....	.....

(a) In 1853 Harrison from Crosby and Whitewater.

(b) Since 1850 abolished.

(c) Now part of Cincinnati.

(d) Of Lockland: 465 in Springfield and 552 in Sycamore.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
HARDIN.									
Blanchard	1250	1189	61	1187	63	680	.....	252	.....
Buck	1259	1151	108	1186	73	794	24	456	6
Cassia	732	644	88	719	13	487	.....	305	.....
Dudley	1008	952	56	1002	6	797	.....	529	.....
Goshen	928	848	80	922	.....	894	.....	490	.....
Hale	1254	1213	41	1240	14	1130	3	428	.....
Ridgeway	177	169	8	177	.....	.....	.....	.....	.....
Jackson	1412	1308	104	1409	3	913	1	530	.....
Liberty	2308	2239	69	2303	5	1148	.....	422	.....
Lynn	457	426	31	457	.....	261	.....	.....	.....
Marion	671	645	26	671	.....	599	.....	452	.....
McDonald	900	860	40	891	6	757	27	582	.....
Pleasant	4002	3313	689	3939	67	2985	40	2116	8
Kenton	2610	2122	488	2547	63	1612	.....	1057	8
Round Head	759	740	19	750	9	778	.....	645	.....
Round Head	117	115	2	117	.....	.....	.....	135	.....
Taylor Creek	891	823	68	884	7	531	.....	531	.....
Taylor .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington	883	764	119	875	8	700	15	391	.....
HARRISON.									
Archer	726	712	14	724	2	776	.....	875	.....
Athens	1232	1216	16	1209	23	1350	6	1400	11
New Athens	354	347	7	335	19	340	.....	320	11
Cadiz	3003	2058	105	2788	275	2491	96	2378	75
Cadiz	1435	1371	64	1196	239	1107	61	1091	53
Hopedale	359	353	6	357	2	.....	.....	.....	.....
Franklin	1153	1124	29	1138	15	1214	2	1338	12
Deerville	306	291	15	300	6	267	.....	28	.....
Franklin .....	.....	.....	.....	.....	.....	102	2	144	7
Freeport	1011	985	30	1015	.....	1070	.....	1220	.....
Freeport .....	.....	.....	.....	.....	.....	.....	.....	288	.....
Snvrua .....	.....	.....	.....	.....	.....	.....	.....	9	.....
German	1227	1188	39	1226	1	1240	.....	1351	6
Greene	1184	1172	16	1171	10	1577	.....	1527	.....
Monroe	1012	961	51	1012	.....	1127	.....	.....	.....
Moorefield	1117	1105	12	1117	.....	1172	.....	1265	.....
Moorefield	989	244	5	289	.....	.....	.....	244	.....
North	1202	1158	44	1177	25	1073	.....	1086	37
Nottingham	921	906	13	921	.....	1059	.....	1236	.....
Rumley	1158	1137	21	1158	.....	1093	.....	1088	.....
Short Creek	1799	1763	36	1703	96	1823	34	1828	82
Georgetown .....	.....	.....	.....	.....	.....	162	4	153	.....
Harrisville	258	244	14	258	.....	261	.....	295	5
Stock	771	751	20	733	38	763	20	824	64
Washington	1098	1080	18	1098	.....	1124	.....	1255	.....

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
HENRY.									
Bartlow	126	107	19	122	4	32	.....	.....	.....
Damascus	1179	1088	91	1179	.....	781	.....	233	.....
Flat Rock	1184	925	259	1184	.....	903	.....	406	.....
Freedom	812	625	187	812	.....	450	.....	83	.....
Harrison	1295	1240	55	1295	.....	781	.....	516	.....
Liberty	1766	1692	74	1766	.....	1119	.....	399	.....
Marion	513	430	83	513	.....	195	.....	77	.....
Monroe	658	534	124	658	.....	352	.....	.....	.....
Napoleon	3334	2621	713	3327	7	2056	1	566	.....
Napoleon	2018	1703	315	2011	7	917	1	.....	.....
Pleasant	860	573	287	860	.....	641	.....	338	.....
Richfield	396	369	27	396	.....	272	.....	138	.....
Ridgeville	764	613	151	764	.....	424	.....	148	.....
Washington	1141	1040	101	1141	.....	894	.....	532	.....
HIGHLAND.									
Brush Creek	1601	1592	9	1554	47	1422	1	1502	13
Sinking Spring	200	195	5	199	1	.....	.....	.....	.....
Clay	1345	1258	87	1336	9	1301	2	1108	.....
Buford	120	120	.....	120	.....	.....	.....	.....	.....
Concord (a)	1262	1236	26	1239	23	1432	19	1461	40
Sugar-Tree Ridge	1012	987	25	1000	12	.....	.....	.....	.....
Dodson	1710	1612	98	1705	5	1473	13	1213	4
Lynchburg	476	447	29	474	2	.....	.....	.....	.....
Fairfield (b)	2565	2504	61	2350	215	2291	142	2929	245
Centerfield	128	127	1	128	.....	.....	.....	.....	.....
East Monroe	163	163	.....	162	1	.....	.....	.....	.....
Leesburg	508	480	28	462	46	.....	.....	.....	.....
New Lexington	242	231	11	236	6	.....	.....	.....	.....
Hamer	959	948	11	959	.....	1012	.....	939	3
Danville	157	149	8	157	.....	.....	.....	.....	.....
Jackson (a)	905	903	2	905	.....	926	16	1439	10
Belfast	503	502	1	503	.....	.....	.....	.....	.....
Fairfax (a)	544	542	2	533	11	.....	.....	.....	.....
North Uniontown	95	95	.....	95	.....	.....	.....	.....	.....
Liberty (b)	5189	4817	372	4470	719	4062	445	3637	438
Hillsborough	2818	2515	303	2430	388	1959	212	1175	217
Madison	3261	3090	171	2888	373	2631	124	2089	85
Greenfield	1712	1582	130	1525	187	1410	90	957	54
Marshall	821	813	8	821	.....	893	.....	1180	7
Marshall	514	507	7	514	.....	.....	.....	.....	.....
New Market	1107	1094	13	1091	16	1256	.....	1528	.....
New Market	143	140	3	143	.....	.....	.....	.....	.....
Paint	2429	2394	35	2376	53	2637	8	2631	47
New Boston	111	106	5	111	.....	.....	.....	.....	.....
New Petersburg	216	216	.....	216	.....	.....	.....	.....	.....
Rainsborough	220	219	1	220	.....	.....	.....	.....	.....
Penn (b)	1471	1410	61	1260	211	1259	188	.....	.....
Salem	1029	987	42	1022	7	921	.....	813	.....
Princeton	117	115	2	117	.....	.....	.....	.....	.....

(a) Of Fairfax : 250 in Concord and 294 in Jackson.

(b) In 1852 Penn from Fairfield and Liberty.

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Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
JEFFERSON—Continued.									
Knox.....	1301	1243	58	1300	1	1486	1	1901	1
Knoxville.....	165	147	18	165	.....	131	.....	168	.....
Shanghai.....	76	73	3	76	.....	.....	.....	.....	.....
Somerset.....	77	75	2	77	.....	.....	.....	.....	.....
Mount Pleasant.....	1564	1534	30	1204	360	1429	225	1619	228
Mount Pleasant.....	563	550	13	447	116	.....	.....	665	90
Ross.....	685	675	10	685	.....	861	.....	1131	13
Salem.....	1708	1634	74	1697	11	1810	3	2188	3
Annapolis.....	139	134	5	139	.....	155	.....	158	.....
East Springfield.....	170	161	9	170	.....	.....	.....	216	.....
Richmond.....	405	383	22	404	1	690	2	513	1
Saline.....	1922	1379	543	1921	1	1197	.....	1077	13
Hammondsville.....	504	379	125	503	1	.....	.....	.....	.....
Irondale.....	751	396	355	751	.....	.....	.....	.....	.....
Sloan's Station (a).....	476	454	22	468	8	.....	.....	.....	.....
Smithfield.....	1761	1735	26	1658	103	1824	75	1817	65
Smithfield.....	515	499	16	469	46	.....	.....	409	16
York.....	89	.....	.....	.....	.....	.....	.....	89	.....
Springfield.....	826	779	47	826	.....	750	.....	1298	.....
Amsterdam.....	89	67	22	89	.....	.....	.....	168	.....
Steuenville (b).....	2100	1670	430	2072	28	7250	105	7084	140
Steuenville.....	8107	6460	1647	7831	276	5983	171	6003	137
1st ward.....	1313	1052	261	1234	79	.....	.....	.....	.....
2d ward.....	2680	2068	612	2561	119	.....	.....	.....	.....
3d ward.....	2360	1961	399	2294	66	.....	.....	.....	.....
4th ward.....	1754	1379	375	1742	12	.....	.....	.....	.....
Warren.....	1637	1560	77	1609	28	1796	1	1906	12
Warrenton.....	241	232	9	241	.....	240	.....	291	1
Wayne.....	1564	1536	28	1452	112	1658	123	1715	86
Bloomfield.....	146	145	1	146	.....	.....	.....	183	1
Wells.....	1414	1368	46	1373	41	1449	33	1734	88
La Grange.....	228	207	21	222	6	147	7	341	22
KNOX.									
Berlin.....	887	875	12	887	.....	1011	.....	1156	.....
Brown.....	1242	1177	65	1242	.....	1342	1	1535	.....
Brownsville.....	160	158	2	160	.....	.....	.....	.....	.....
Butler.....	701	671	30	701	.....	726	.....	763	4
Clay.....	940	932	8	940	.....	1101	1	1234	6
Clinton (c).....	984	915	69	984	.....	882	.....	802	.....
College.....	926	825	101	923	(d)	376	.....	522	.....
Gambier.....	581	506	75	578	(d)	573	2	280	.....
Harrison.....	687	685	2	686	1	777	.....	751	.....
Hillier.....	931	900	31	930	1	1086	.....	1133	8
Howard.....	800	792	8	800	.....	868	.....	1002	.....
Jackson.....	818	815	3	818	.....	953	.....	1080	.....
Jefferson.....	1305	1202	106	1308	.....	1458	.....	1484	.....
Greenville.....	73	61	12	73	.....	.....	.....	.....	.....
Mount Holly.....	159	155	4	159	.....	.....	.....	.....	.....

(a) In 1827, from Island Creek and Knox as Newberg, (village;) in 1857, name changed to Sloan's Station.

(b) Exclusive of city of Steuenville.

(c) Exclusive of city of Mt. Vernon.

(d) Also 3 Indians.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
KNOX—Continued.									
Liberty	959	921	38	959	.....	1215	.....	1318	2
Middlebury	929	917	12	929	.....	1037	.....	1092	.....
Milford	1024	1022	2	1024	.....	1082	.....	1349	.....
Miller	902	890	12	902	.....	993	.....	1064	.....
Monroe	1087	1059	28	1086	1	1035	.....	1324	.....
Morgan	645	631	14	645	.....	697	.....	823	.....
Morris	860	841	19	850	10	1006	7	1021	7
Mount Vernon	4876	4327	549	4726	150	4163	39	3672	39
1st ward	800	707	93	798	2	.....	.....	.....	.....
2d ward	652	572	80	616	36	.....	.....	.....	.....
3d ward	922	853	69	879	43	.....	.....	.....	.....
4th ward	832	756	76	803	29	.....	.....	.....	.....
5th ward	1670	1439	231	1630	40	.....	.....	.....	.....
Pike	1301	1286	15	1301	.....	1551	.....	1720	.....
Pleasant	851	810	41	851	.....	1398	2	909	.....
Union	1017	980	37	1017	.....	1095	.....	1192	.....
Danville	134	130	4	134	.....	.....	.....	163	.....
Millwood	122	120	2	122	.....	.....	.....	240	.....
Wayne	1658	1615	43	1635	23	1774	9	1864	.....
Fredericktown	690	667	23	672	18	775	9	712	.....
LAKE.									
Cencord	797	760	37	792	5	951	2	1029	2
Kirtland	1029	987	42	1029	.....	1229	.....	1596	.....
Leroy	811	735	76	811	.....	884	.....	1128	.....
Madison	2913	2724	189	2896	17	2836	3	2985	1
Madison	757	682	75	749	8	.....	.....	.....	.....
Mentor	1666	1487	179	1664	2	1613	.....	1571	.....
Mentor	416	362	54	415	1	.....	.....	.....	.....
Painesville	4995	4233	762	4926	69	4360	27	3104	24
Painesville	3728	3171	557	3673	55	2649	27	.....	.....
Perry	1208	1125	83	1207	1	1254	.....	1120	11
Willoughby	2516	2212	304	2510	6	2307	3	2081	.....
Willoughby	867	778	89	862	5	588	1	.....	.....
LAWRENCE.									
Aid	1476	1466	10	1467	9	1409	16	883	1
Decatur	1761	1528	233	1727	34	945	14	1026	26
Elizabeth	3357	2790	567	3323	34	2683	43	2524	5
Fayette	2082	2066	16	1667	414	1263	306	956	155
Hamilton (a)	1108	985	123	1078	30	1079	23	.....	.....
Ironton	5686	4604	1082	5380	306	3573	118	.....	.....
1st ward	1100	795	305	1100	.....	.....	.....	.....	.....
2d ward	1610	1292	318	1563	47	.....	.....	.....	.....
3d ward	1291	1124	167	1122	169	.....	.....	.....	.....
4th ward	940	742	198	893	47	.....	.....	.....	.....
5th ward	745	651	94	702	43	.....	.....	.....	.....
Lawrence	1245	1229	16	1212	33	843	8	530	4
Mason	1884	1867	17	1884	.....	1628	.....	1131	1
Perry	2215	2110	105	2183	32	1246	14	917	7

(a) In 1854 Hamilton from Upper.

(b) Also 1 Chinese.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
LAWRENCE—Continued.									
Rome	2096	2071	25	1974	(a) 116	1594	44	1118	16
Symmes	99	987	8	971	24	801	.....	484	3
Union	1940	1928	12	1853	(b) 75	1615	48	1275	43
Upper (c) (d)	2146	1973	173	2078	68	1208	20	2486	8
Washington	1446	1281	165	1380	66	995	24	595	51
Windsor	1943	1913	30	1943	.....	1682	7	995	6
LICKING.									
Bennington	907	900	7	907	.....	1012	.....	1211	.....
Appleton	56	55	1	56	.....	89	.....	66	.....
Bowling Green	1042	1016	25	1042	.....	1213	.....	1538	.....
Brownsville	384	379	13	384	.....	421	.....	480	.....
Linnville	100	91	5	100	.....	.....	.....	189	.....
Burlington	1061	1025	35	1060	1	1141	1	1388	1
Homer	226	216	10	226	.....	.....	.....	226	.....
Eden	782	775	7	782	.....	817	1	1013	.....
Etna	1224	1101	123	1222	2	1242	.....	1307	.....
Etna	258	245	13	257	1	285	.....	293	.....
Fallsburg	865	855	10	865	.....	916	.....	1206	.....
Franklin	847	835	12	847	.....	980	.....	1059	.....
Granville	2127	1911	216	2072	55	2069	14	2107	9
Granville	1109	1002	107	1080	29	797	4	770	1
Hanover	1165	1130	35	1165	.....	1383	.....	1186	.....
Hanover	322	307	15	322	.....	.....	.....	.....	.....
Harrison	1242	1202	40	1240	2	1389	2	1447	.....
Kirkersville	295	288	7	294	1	.....	.....	.....	.....
Hartford	1017	1009	8	1017	.....	1181	2	1423	3
Hartford	229	226	3	229	.....	212	.....	248	3
Hopewell	1009	997	12	1002	7	1113	.....	1227	.....
Gratiot, part of (e)	154	154	.....	154	.....	.....	.....	.....	.....
Jersey	1253	1225	28	1253	.....	1371	.....	1230	.....
Jersey	101	97	4	101	.....	.....	.....	.....	.....
Liberty	837	813	24	837	.....	962	.....	1190	.....
Licking	850	834	16	849	1	1296	.....	1371	.....
Jackson	438	428	10	437	1	263	.....	256	.....
Lima	1642	1579	62	1639	3	1247	.....	972	1
Columbia Centre	205	180	25	205	.....	.....	.....	.....	.....
Pataskala	462	457	5	459	3	.....	.....	.....	.....
Madison	959	895	64	959	.....	928	.....	1027	.....
Mary Ann	804	772	32	804	.....	896	.....	999	.....
McKean	990	956	34	990	.....	1130	.....	1378	.....
Freedonia	99	99	.....	99	.....	.....	.....	141	.....
Monroe	1119	1101	11	1119	.....	1137	.....	1385	1
Johnson	241	237	4	241	.....	241	.....	.....	.....
Newark (f)	919	790	129	919	.....	1625	.....	1394	2
Lockport .....	.....	.....	.....	.....	.....	.....	.....	164	.....

(a) Also 6 Indians.

(b) Also 12 Indians.

(c) Exclusive of City of Ironton.

(d) In 1854, Hamilton from Upper.

(e) See note (a), Muskingum county.

(f) Exclusive of City of Newark.

Total 223; native 227; foreign 1; white 228.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
LICKING—Continued.									
Newark	6698	5413	1285	6543	155	4570	108	3554	100
1st ward	1372	1151	221	1361	11	.....	.....	.....	.....
2d ward	1899	1598	301	1838	61	.....	.....	.....	.....
3d ward	3427	2664	763	3344	83	.....	.....	.....	.....
Newton	1283	1244	39	1283	.....	1310	.....	1363	1
Chatham	156	152	4	156	.....	.....	.....	208	.....
St. Louisville	166	158	8	166	.....	.....	.....	109	.....
Vantallar	70	70	.....	70	.....	.....	.....	.....	.....
Perry	897	891	6	892	5	1134	.....	1253	1
Elizabethtown	113	113	.....	113	.....	.....	.....	170	.....
St. Albans	1110	1064	46	1108	2	1380	1	1770	.....
Alexandria	303	297	6	302	1	320	.....	349	.....
Union	1855	1793	62	1854	1	2026	9	2359	9
Hebron	478	471	7	477	1	485	9	641	8
Luray	55	47	8	55	.....	.....	.....	88	.....
Washington	1252	1185	67	1243	9	1400	8	1361	.....
Utica	384	361	23	383	1	.....	.....	.....	.....
LOGAN.									
Bloomfield	655	636	19	655	.....	611	.....	671	.....
Boke's Creek	1344	1333	11	1125	219	1068	17	583	.....
West Ridgway	100	92	8	88	12	.....	.....	.....	.....
Harrison	994	956	38	979	15	912	.....	987	.....
Jefferson	1634	1588	46	1588	46	1702	127	1866	176
Zanesfield	282	279	3	280	2	327	1	314	3
Lake	3753	3367	386	3496	257	524	10	528	17
Bellefontaine	3182	2843	339	2941	238	2475	124	1155	67
1st ward	907	782	125	839	68	.....	.....	.....	.....
2d ward	616	591	25	572	44	.....	.....	.....	.....
3d ward	804	722	82	738	66	.....	.....	.....	.....
4th ward	855	748	107	795	60	.....	.....	.....	.....
Liberty	1624	1537	87	1571	53	1481	30	1240	22
West Liberty	741	704	37	709	32	889	27	634	9
McArthur	1406	1365	41	1371	35	1262	16	1369	7
Huntsville	322	315	7	309	13	281	.....	210	4
Miami	1768	1715	53	1762	6	1323	1	1148	.....
DeGraff	624	587	37	620	4	.....	.....	.....	.....
Quincy	320	317	3	320	.....	290	.....	373	.....
Monroe	1372	1349	23	1191	181	1111	188	1330	105
Perry	922	905	17	900	22	1110	26	1337	70
East Liberty .....	.....	.....	.....	.....	.....	196	.....	170	7
Pleasant	994	969	25	994	.....	838	.....	806	.....
Logansville .....	.....	.....	.....	.....	.....	99	.....	82	.....
Richland	1401	1339	62	1357	44	1150	13	1144	25
Belle Centre	276	264	12	375	1	234	.....	153	.....
Rush Creek	2044	1964	80	1995	49	1809	61	1414	44
Rushsylvania	310	293	17	271	39	.....	.....	.....	.....
Stokes	673	667	6	656	17	587	29	487	2
Union	753	721	32	750	3	729	.....	803	1
Washington	812	804	8	798	14	681	.....	668	.....
Zane	879	847	32	878	1	968	7	1090	.....
Middleburg .....	.....	.....	.....	.....	.....	223	.....	214	.....

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
LORAIN.									
Amherst.....	2482	1692	790	2482	.....	1882	.....	1399	.....
Avon.....	1924	1308	616	1924	.....	1977	.....	1782	.....
Black River.....	838	618	220	822	16	787	.....	659	.....
Brighton.....	508	483	25	508	.....	646	.....	669	.....
Brownhelm.....	1461	1029	432	1458	3	1255	.....	1079	1
Camden.....	858	764	94	854	4	1034	.....	1025	.....
Carlisle.....	1219	963	256	1219	.....	1263	10	1512	.....
Columbia.....	892	713	179	892	.....	1136	.....	1238	.....
Eaton.....	1052	842	210	1052	.....	1206	.....	1111	.....
Elyria.....	4076	3113	963	4007	69	3137	17	2586	72
Elyria.....	3038	2339	699	2976	62	1596	17	1439	43
Grafton.....	960	810	150	951	9	1165	.....	931	13
Henrietta.....	927	768	159	898	29	1123	20	1041	1
Huntington.....	834	790	44	832	2	1109	.....	1173	.....
LaGrange.....	1309	1200	109	1306	(a)	1490	.....	1402	.....
Penfield.....	749	726	23	739	10	817	.....	672	.....
Pittsfield.....	980	851	129	913	67	1115	.....	1087	1
Ridgeville.....	1477	1140	337	1472	5	1441	.....	1212	.....
Rochester.....	691	648	43	691	.....	822	.....	896	.....
Russia.....	4207	3832	375	3343	864	2915	502	1887	174
Oberlin.....	2888	2691	197	2276	612	1693	422	.....	.....
Sheffield.....	973	737	236	964	9	1139	.....	905	1
Wellington.....	1891	1724	167	1869	22	1720	.....	1555	1
Wellington.....	1281	1149	132	1263	18	1029	.....	.....	.....
LUCAS.									
Adams (b) (c) (d).....	959	645	314	950	9	.....	.....	.....	.....
Carey (b).....	.....	.....	.....	.....	.....	753	.....	.....	.....
Manhattan.....	1394	1092	302	1352	42	783	5	537	4
Monclova.....	833	748	85	825	8	788	.....	.....	.....
Oregon.....	1863	1320	543	1841	22	913	11	436	.....
Port Lawrence (c).....	.....	.....	.....	.....	.....	.....	.....	134	.....
Providence.....	863	741	122	863	.....	690	.....	467	.....
Richfield.....	822	670	152	822	.....	690	1	399	.....
Spencer.....	653	519	134	653	.....	530	1	273	.....
Springfield.....	701	628	73	689	12	613	.....	782	.....
Swanton (f).....	447	383	64	442	5	442	4	.....	.....
Sylvania.....	1400	1201	199	1366	34	1206	16	751	.....
Toledo (c).....	31584	20485	11099	30972	612	13539	229	3711	118
1st ward.....	3961	2713	1248	3911	50	2747	21	988	27
2d ward.....	4505	3025	1480	4387	118	3199	54	919	24
3d ward.....	4303	3340	963	4112	191	3845	93	739	.....
4th ward.....	4925	2861	2064	4850	75	3748	61	1065	67
5th ward.....	5506	3280	2226	5468	38	.....	.....	.....	.....
6th ward.....	1814	1365	449	1811	3	.....	.....	.....	.....
7th ward.....	3680	2407	1273	3635	45	.....	.....	.....	.....
8th ward.....	2890	1494	1396	2798	92	.....	.....	.....	.....

(a) Also 3 Indians.

(b) Since 1860 name changed from Carey to Adams.

(c) Since 1850 Port Lawrence merged in Adams and Toledo.

(d) Since 1860 part of Waynesfield to Adams.

(e) Also 2 Indians.

(f) In 1850 name changed from Wing to Swanton.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
LUCAS—Continued.									
Washington (a)	1549	1166	383	1525	24	1371	.....	1161	.....
Waterville	1609	1344	265	1609	1	1319	1	958	.....
Waynesfield (b)	2045	1661	384	2036	9	1916	10	2354	17
Maumee City	1779	1459	320	1773	6	1681	10	1454	11
1st ward	913	765	148	912	1	.....	.....	.....	.....
2d ward	604	482	116	599	5	.....	.....	.....	.....
3d ward	262	206	56	262	.....	.....	.....	.....	.....
Wing (c) .....	.....	.....	.....	.....	.....	.....	.....	261	.....
MADISON.									
Canaan	729	695	34	724	5	713	8	683	2
Amity	106	105	1	106	.....	.....	.....	.....	.....
Darby	988	900	88	965	23	823	20	551	.....
Pleasant Valley	467	415	52	465	2	344	11	168	.....
Deer Creek	823	727	96	764	59	690	10	582	1
Lafayette	143	132	11	142	1	112	.....	146	1
Fairfield (d)	1210	1151	59	1199	11	1190	2	618	5
California	112	110	2	112	.....	.....	.....	43	.....
Jefferson	1888	1717	171	1726	162	1412	20	1068	2
Jefferson	577	497	80	549	28	.....	.....	.....	.....
West Jefferson .....	.....	.....	.....	.....	.....	456	4	434	2
Monroe	463	413	50	441	22	355	13	403	.....
Oak Run (d)	456	422	34	394	62	311	36	.....	.....
Paint (e)	955	855	100	937	18	768	2	.....	.....
Pike	394	373	21	380	14	340	.....	423	.....
Liverpool	67	66	1	67	.....	.....	.....	.....	.....
Pleasant (d)	1330	1302	28	1291	39	1043	6	1183	1
Mount Sterling	389	377	12	382	7	.....	.....	118	.....
Range (d)	1367	1263	104	1325	42	1234	41	973	15
Somerford	935	872	63	935	.....	835	13	755	.....
Somerford .....	.....	.....	.....	.....	.....	.....	.....	139	.....
Tradersville	25	25	.....	25	.....	.....	.....	.....	.....
Stokes (e)	986	892	94	973	13	887	11	589	2
Union (d) (e)	3109	2707	402	2774	235	2138	94	2101	50
London	2066	1737	329	1910	156	1044	68	501	12
MAHONING.									
Austintown	1948	1485	463	1543	5	1507	.....	1170	4
Beaver	1933	1820	113	1933	.....	2074	.....	2144	.....
East Lewiston	105	97	8	105	.....	.....	.....	.....	.....
Lima	160	156	4	160	.....	.....	.....	.....	.....
Berlin	963	938	25	963	.....	1156	.....	1370	.....
Boardman (f)	817	775	42	817	.....	916	.....	1020	.....
Canfield	1513	1392	121	1502	11	1729	11	1459	4
Canfield	640	597	43	635	5	647	2	527	.....

(a) Exclusive of city of Toledo.

(b) Since 1860 part of Waynesfield to Adams.

(c) In 1850 name changed from Wing to Swanton.

(d) In 1856 Oak Run from Fairfield, Pleasant, Range and Union.

(e) In 1853 Paint from Stokes and Union.

(f) Of Poland: 53 in Boardman and 400 in Poland.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
MAHONING—Cont'd.									
Coitsville	1161.	927	234	1160	1	1285	.....	975	7
Ellsworth	652	615	37	652	.....	825	.....	954	.....
Goshen	1475	1437	38	1442	33	1453	.....	1699	21
Damascoville	208	202	6	208	.....	.....	.....	.....	.....
Green	1733	1606	127	1726	7	1645	.....	1774	.....
Green	146	131	15	146	.....	.....	.....	.....	.....
New Albany	100	82	18	100	.....	.....	.....	168	.....
Washingtonville	232	197	35	232	.....	.....	.....	.....	.....
Jackson	909	876	33	906	3	1018	.....	1140	2
Milton	744	733	11	744	.....	916	.....	1122	1
Poland (a)	2481	2141	340	2465	16	2286	7	2124	2
Lowellville	722	632	90	715	7	304	.....	268	.....
Poland (a)	453	436	17	452	1	.....	.....	.....	.....
Smith	1685	1526	159	1677	8	1493	.....	1532	12
Beloit	80	.....	.....	80	.....	.....	.....	.....	.....
East Alliance	288	203	85	288	.....	.....	.....	.....	.....
North Benton	138	131	7	138	.....	.....	.....	.....	.....
Springfield	2150	1981	169	2147	3	2191	.....	2385	.....
New Middleton	147	143	4	147	.....	.....	.....	.....	.....
New Springfield	142	127	15	142	.....	.....	.....	.....	.....
Petersburg	218	193	25	218	.....	.....	.....	.....	.....
Youngtown (b)	2762	1682	1080	2724	38	2584	34	2765	37
Youngtown	8075	5258	2817	7943	132	2750	9	.....	.....
1st ward	2217	1518	699	2175	42	.....	.....	.....	.....
2d "	2313	1410	903	2295	18	.....	.....	.....	.....
3d "	1831	1046	785	1831	.....	.....	.....	.....	.....
4th "	704	580	124	694	10	.....	.....	.....	.....
5th "	1010	704	306	948	62	.....	.....	.....	.....
MARION.									
Big Island	940	848	92	935	5	911	.....	600	.....
Bowling Green	903	880	23	903	.....	637	.....	448	.....
Claridon	1483	1298	185	1481	2	1464	.....	1342	1
Caledonia	419	370	49	419	.....	.....	.....	.....	.....
Grand	403	381	22	403	.....	445	.....	353	.....
Grand Prairie	370	351	19	370	.....	488	.....	474	.....
Green Camp	999	869	130	985	14	748	.....	383	.....
Marion	3486	2889	597	3467	19	2988	26	2273	18
Marion	2531	2063	468	2513	18	1820	24	1293	18
Montgomery	1451	1319	132	1445	6	1212	.....	643	.....
Pleasant	1078	927	151	1055	23	1115	.....	1197	.....
Prospect	1280	1196	84	1266	14	1195	.....	847	.....
Richland	1146	900	246	1146	.....	1406	.....	1229	.....
Salt Rock	351	328	23	351	.....	431	.....	347	.....
Scott	495	464	31	495	.....	586	.....	717	.....
Tully	770	688	82	758	12	737	20	735	.....
Waldo	1029	935	94	1027	2	1081	.....	1008	.....
Waldo	247	244	3	247	.....	220	.....	773	.....

(a) Of Poland: 53 in Boardman and 400 in Poland.

(b) Exclusive of city of Youngstown.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
MEDINA.									
Brunswick	980	888	92	980	.....	1269	.....	1417	.....
Chatham	980	947	33	971	9	1154	6	1167	.....
Granger	987	939	58	987	.....	1025	.....	1317	.....
Guilford	1809	1753	56	1800	9	1820	2	1800	.....
Seville	597	582	15	589	8	.....	.....	.....	.....
Harrisville	1182	1115	67	1182	.....	1226	.....	1477	.....
Hinckley	972	909	63	972	.....	1239	.....	1416	.....
Homer	886	852	34	886	.....	993	.....	1102	.....
La Fayette	1109	1067	42	1103	6	1318	7	1332	.....
Litchfield	860	813	47	860	.....	1116	2	1312	.....
Liverpool	1425	1014	411	1425	.....	1807	.....	2199	4
Medina (a)	1553	1399	154	1536	17	2189	14	1983	28
Medina (a)	1159	1063	96	1143	16	1220	14	996	13
Montville (a)	1097	1041	56	1095	2	951	.....	1077	.....
Sharon	1131	1067	64	1130	1	1313	.....	1519	.....
Spencer	929	906	23	929	.....	1082	.....	1336	.....
Wadsworth	2283	2102	181	2277	6	1703	.....	1622	.....
Wadsworth	949	853	96	944	5	.....	.....	.....	.....
Westfield	1023	993	30	1023	.....	1115	7	1120	2
York	886	764	122	886	.....	1069	.....	1210	1
MEIGS.									
Bedford	1645	1612	33	1636	9	1462	.....	907	.....
Chester	1656	1527	129	1648	8	1618	5	1598	.....
Chester	172	172	.....	172	.....	226	.....	189	.....
Columbia	1286	1276	10	1281	5	1286	.....	895	2
Lebanon	1823	1799	24	1803	20	1276	29	999	9
Letart	1319	1286	33	1303	16	1211	2	966	.....
Antiquity	280	263	17	280	.....	.....	.....	.....	.....
Olive	1863	1818	45	1858	5	1552	8	917	7
Reedville	129	129	.....	129	.....	.....	.....	.....	.....
Orange	828	783	45	828	.....	934	.....	948	.....
Pomeroy	5824	4173	1651	5370	454	6288	192	1620	18
1st ward	798	639	159	620	178	.....	.....	.....	.....
2d ward	1262	863	399	1246	16	.....	.....	.....	.....
3d ward	2335	1820	565	2205	180	.....	.....	.....	.....
4th ward	1379	851	528	1299	80	.....	.....	.....	.....
Rutland	2471	2435	36	2223	248	2167	5	1743	5
Salem	1718	1686	32	1684	34	1759	15	1408	7
Salisbury (b)	4902	4486	416	4152	750	1465	12	2919	2
Middleport	2236	1994	242	1849	387	.....	.....	.....	.....
Scipio	1761	1741	20	1750	11	1758	.....	1405	.....
Harrisonville	160	156	4	160	.....	.....	.....	.....	.....
Pageville	80	77	3	80	.....	.....	.....	.....	.....
Sutton	4369	3558	811	4305	64	3467	19	1594	2
Minersville	1000	639	361	970	30	637	.....	.....	.....
Racine	560	553	7	537	23	.....	.....	.....	.....
Syracuse	1273	932	341	1271	2	716	4	.....	.....

(a) Of Medina: 865 in Medina and 294 in Montville.

(b) Exclusive of city of Pomeroy.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
MERCER.									
Black Creek	1087	1035	52	1087	.....	913	.....	490	.....
Butler	1301	1133	168	1143	158	860	182	210	10
Center	1255	1210	45	1255	.....	1153	.....	491	.....
Neptune	96	90	6	96	.....	.....	.....	.....	.....
Dublin	1599	1575	24	1599	.....	1352	.....	913	1
Mercer	73	73	.....	73	.....	.....	.....	.....	.....
Shane's Crossing	246	240	6	246	.....	.....	.....	.....	.....
Franklin	831	760	71	800	31	634	20	356	1
Gibson	1100	969	131	1100	.....	946	.....	485	.....
Granville	1234	893	341	1083	151	830	205	475	89
Fort Henry	153	106	47	153	.....	.....	.....	.....	.....
Hopewell	894	776	118	894	.....	638	.....	290	.....
Jefferson	1557	1412	145	1554	3	990	13	482	11
Celina	859	769	90	856	3	294	13	222	.....
Liberty	779	647	132	779	.....	508	.....	182	.....
Marion	1876	1303	573	1777	99	1666	182	1155	273
Chickasaw	386	281	105	302	84	.....	.....	.....	.....
Kopel	305	212	93	305	.....	.....	.....	.....	.....
St. John's	105	72	33	105	.....	.....	.....	.....	.....
Recovery	1118	903	215	1117	1	820	.....	596	.....
Fort Recovery	89	87	2	89	.....	.....	.....	.....	.....
Union	1475	1424	51	1474	1	1225	3	732	14
Mendon	164	160	4	164	.....	.....	.....	.....	.....
Washington	1148	999	149	1148	.....	957	1	456	.....
MIAMI.									
Bethel	1801	1764	37	1798	3	1708	.....	1656	.....
Brandt	240	238	2	240	.....	.....	.....	.....	.....
Charleston	130	123	7	130	.....	.....	.....	.....	.....
Brown	1639	1582	57	1639	.....	1722	.....	1397	.....
Fletcher	306	292	14	306	.....	298	.....	246	.....
Lena	144	143	1	144	.....	169	.....	105	.....
Concord	4701	4389	312	4323	378	3984	262	3217	192
Troy	3005	2767	238	2667	338	2435	208	1808	148
Elizabeth	1236	1212	24	1235	1	1222	.....	1433	.....
Lost Creek	1367	1345	22	1367	.....	1485	1	1458	1
Casstown	241	237	4	241	.....	232	.....	394	.....
Monroe	2704	2508	196	2674	30	2755	19	2018	17
Tippecanoe City	1204	1059	145	1192	12	943	6	.....	.....
Newberry	3565	3259	206	3554	11	2862	6	2217	.....
Bradford	166	152	14	164	2	.....	.....	.....	.....
Clayton	101	100	1	101	.....	.....	.....	76	.....
Covington	1010	892	118	1009	1	791	.....	451	.....
Newton	2241	2175	66	2187	54	2075	73	1407	40
Pleasant Hill	324	320	4	324	.....	.....	.....	.....	.....
Piqua	5967	4840	1127	5716	251	4452	164	3186	91
1st ward	1158	892	266	1124	34	.....	.....	.....	.....
2d ward	1940	1394	546	1921	19	.....	.....	.....	.....
3d ward	1447	1276	171	1387	60	.....	.....	.....	.....
4th ward	1422	1278	144	1284	138	.....	.....	.....	.....

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	native.	Foreign.	White.	Colored.	White.	Colored.	White.	
MIAMI—Continued.									
Spring Creek	1606	143	173	1490	116	1530	71	1525	63
Huntersville	233	15	75	233	.....	.....	.....	224	1
Rossville	91	6	29	91	.....	.....	.....	89	25
Stanton	1317	124	68	1310	7	1351	17	1454	21
Union	3291	319	93	3155	136	2826	124	2499	126
Milton	455	44	8	455	.....	377	13	395	3
Washington (c)	1305	117	128	1243	62	1187	63	930	51
MONROE.									
Adams	1201	115	48	1201	.....	1174	5	1182	.....
Cameron (a)	145	12	16	145	.....	.....	.....	.....	.....
Jamestown (a) .....	.....	.....	.....	.....	.....	.....	.....	90	.....
Benton (b)	987	90	85	987	.....	1072	.....	.....	.....
Bethel	1284	121	72	1266	18	1335	.....	999	30
Lebanon	124	11	5	124	.....	.....	.....	.....	.....
Centre	2585	221	267	2585	.....	2532	.....	2942	1
Woodfield	753	65	97	753	.....	799	.....	392	1
Elk (c) .....	.....	.....	.....	.....	.....	.....	.....	954	1
Enoch (c) .....	.....	.....	.....	.....	.....	.....	.....	1438	1
Franklin	1418	13	43	1354	64	1492	69	1574	14
Stafford	150	14	6	142	8	181	16	124	.....
Green (d)	1282	117	107	1282	.....	1400	.....	1226	.....
New Castle	99	9	4	99	.....	.....	.....	.....	.....
Jackson (d)	1354	125	97	1354	.....	1477	.....	1154	9
Cochranville	112	11	.....	112	.....	.....	.....	.....	.....
Lee (d)	1114	88	226	1114	.....	.....	.....	.....	.....
Sardis	170	15	13	170	.....	116	.....	118	.....
Malaga	1577	134	231	1577	.....	1670	9	1839	5
Jerusalem	91	91	.....	91	.....	.....	.....	.....	.....
Malaga	114	110	4	114	.....	.....	.....	138	.....
Miltonsburg	176	125	51	176	.....	.....	.....	145	.....
Ohio (d)	1801	142	373	1787	14	2169	1	1663	1
Bainsville	359	314	45	359	.....	213	.....	102	.....
Perry	1116	1083	33	1116	.....	1315	.....	1566	.....
Antioch	165	164	1	165	.....	156	.....	107	.....
Salem	2106	1866	240	2106	.....	1954	.....	1652	.....
Clarington	728	643	85	728	.....	.....	.....	341	.....
Seneca	1242	1177	65	1242	.....	1406	.....	2078	.....
Calais	126	122	4	126	.....	141	.....	96	.....
Summerfield (c) .....	.....	.....	.....	.....	.....	.....	.....	179	.....
Stock (e) .....	.....	.....	.....	.....	.....	.....	.....	1217	6
Carlisle (c) .....	.....	.....	.....	.....	.....	.....	.....	44	.....
Summit	970	79	175	970	.....	1070	.....	.....	.....
Lewisville	124	10	21	124	.....	.....	.....	96	.....
Sunbury	1428	140	22	1428	.....	1369	.....	1531	2
Bealsville	324	31	6	324	.....	.....	.....	276	.....
Switzerland	1342	1091	251	1335	7	1344	.....	1216	.....
Union (c) .....	.....	.....	.....	.....	.....	.....	.....	1930	.....
Washington	1720	1679	41	1720	.....	1554	.....	944	.....
Graysville	199	19	5	199	.....	.....	.....	.....	.....
Wayne	1252	117	78	1252	.....	1324	.....	1177	.....

(e) Exclusive of city of Piqua. (a) Since 1850 name changed from Jamestown to Cameron.

(b) In 1850 Benton from Jolly Township, Washington County.

(c) In 1851 to Noble County. (d) In 1869 Lee from Green, Jackson, and Ohio.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
MONTGOMERY.									
Butler.....	2153	1960	193	2070	83	2218	53	1971	4
Chambersburg.....	165	155	10	128	37	.....	.....	134	.....
Little York.....	111	96	15	111	.....	.....	.....	.....	.....
Vandalia.....	313	285	28	310	3	.....	.....	224	4
Clay.....	2541	2392	149	2541	.....	2257	.....	1905	.....
Baufman.....	67	65	2	67	.....	.....	.....	.....	.....
Dodson.....	47	32	15	47	.....	.....	.....	.....	.....
Philipsburg.....	187	172	15	187	.....	.....	.....	.....	.....
South Arlington.....	124	122	2	124	.....	.....	.....	.....	.....
West Baltimore.....	69	57	12	69	.....	.....	.....	.....	.....
Dayton (a).....	30473	23050	7423	29925	548	19776	305	10743	234
1st ward.....	2828	2101	727	2821	7	2272	4	1269	3
2d ward.....	2867	2304	563	2800	67	2568	12	1898	7
3d ward.....	2744	2239	505	2601	143	2763	72	2060	40
4th ward.....	2135	1789	346	2102	33	4367	140	2036	134
5th ward.....	2921	2385	536	2908	13	4498	57	2479	43
6th ward.....	4116	2996	112	4084	32	3308	20	1001	7
7th ward.....	3611	2278	133	3586	25	.....	.....	.....	.....
8th ward.....	4006	2806	1200	3831	175	.....	.....	.....	.....
9th ward.....	1619	1436	183	1574	45	.....	.....	.....	.....
10th ward.....	712	613	99	706	6	.....	.....	.....	.....
11th ward.....	2914	2103	811	2912	2	.....	.....	.....	.....
German.....	3197	3000	197	3128	69	3104	.....	2788	1
Germantown.....	1440	1362	78	1436	4	1438	.....	.....	.....
Harrison (b).....	2116	1811	305	2111	5	3259	15	2057	2
Miami City (a).....	.....	.....	.....	.....	.....	787	10	.....	.....
Jackson.....	2170	2096	74	2170	.....	1813	.....	2012	.....
Farmersville.....	312	303	9	312	.....	.....	.....	.....	.....
Jefferson.....	3350	2545	805	3316	34	1983	3	1808	.....
Madison.....	2097	1856	241	2097	.....	1842	.....	1668	.....
Amity.....	29	28	1	29	.....	.....	.....	.....	.....
Post Town.....	37	35	2	37	.....	.....	.....	.....	.....
Trotwood.....	42	38	4	42	.....	.....	.....	.....	.....
Mad River.....	1867	1528	339	1855	12	1998	2	1464	.....
Miami.....	4418	3903	515	4388	30	4509	.....	3455	2
Alexandria.....	180	.....	.....	.....	.....	.....	.....	245	1
Carrollton.....	350	.....	.....	.....	.....	.....	.....	226	.....
Miamisburg.....	1425	1242	183	1421	4	1639	.....	1094	1
Perry.....	2029	1988	41	2020	9	2046	.....	1906	.....
Randolph.....	2077	1987	90	2077	.....	2076	.....	1883	.....
Salem.....	312	308	4	312	.....	.....	.....	.....	.....
Union.....	212	202	10	212	.....	.....	.....	.....	.....
Van Buren.....	2600	2156	444	2587	13	1720	2	1398	2
Shakerstown.....	54	44	10	53	1	.....	.....	55	2
Washington.....	1758	1685	73	1752	6	2060	14	1822	2
Wayne.....	1160	1070	90	1160	.....	1168	1	1088	2

(a) In 1868, Miami City merged in city of Dayton.

(b) Exclusive of city of Dayton.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
MORGAN.									
Bloom	987	963	24	980	7	1131	5	1345	1
Eagleport	79	79	...	72	7	...	...	...	...
Bristol	1469	1448	21	1468	1	1634	...	1724	...
Brookfield (a) .....	...	...	...	...	...	...	...	1477	5
Centre	1353	1309	44	1353	...	1507	...	1439	...
Elizabeth	1325	1282	43	1325	...	...	...	...	...
Deerfield	981	952	29	975	6	1228	12	1325	...
Triadelphia	34	34	...	34	...	...	...	...	...
Homer	1690	1678	12	1678	12	1999	9	1589	1
Montville	33	33	...	33	...	...	...	...	...
Jackson (a) .....	...	...	...	...	...	...	...	1248	1
Malta	1625	1609	16	1625	...	1805	10	1830	...
Malta	513	502	11	513	...	568	2	528	...
Manchester	712	704	8	712	...	736	...	1337	...
Marion	2074	2067	7	1903	171	2016	76	1744	20
Chesterfield	354	352	2	354	...	...	...	...	...
Meigsville	1295	1228	67	1295	...	1433	...	1506	6
New Castle	57	54	3	57	...	...	...	...	...
Unionville	92	92	...	92	...	...	...	...	...
Morgan	2185	2097	88	2162	23	2096	23	2272	36
McConnelsville	1646	1575	71	1624	22	1467	19	1622	21
Noble (a) .....	...	...	...	...	...	...	...	1682	20
Olive (a) .....	...	...	...	...	...	...	...	2013	...
Penn	1242	1236	6	1241	1	1318	1	1370	...
Pennsville	189	189	...	189	...	...	...	...	...
Union	1583	1572	11	1578	5	1815	...	1795	...
Morganville	77	77	...	77	...	...	...	...	...
Ringgold	79	79	...	79	...	...	...	...	...
Rosseau	49	49	...	49	...	...	...	...	...
Windsor	2251	2194	57	2242	9	2150	7	1592	...
Stockport	289	282	7	289	...	...	...	...	...
York	916	816	100	915	1	1108	...	1207	...
Deavertown	160	144	16	160	...	...	...	...	...
MORROW.									
Bennington	899	885	14	892	7	1072	3	1265	...
Canaan	1109	1088	21	1109	...	1224	7	1221	2
Cardington	2199	2088	111	2178	21	1890	16	1398	...
Cardington	918	866	52	911	7	839	7	292	...
Chester	1073	1038	35	1069	4	1426	1	1620	...
Chesterville	282	274	8	279	3	1563	...	407	...
Congress	1347	1291	56	1347	...	1563	...	1651	...
Franklin	1011	995	16	1011	...	1256	...	1456	...
Gilead	2017	1971	46	1976	41	1925	17	1679	1
Mount Gilead	1087	1063	24	1057	30	780	8	645	1
Harmony	773	755	18	773	...	986	21	1036	5
Lincoln	915	899	16	898	27	1021	4	891	...
North Bloomfield	1194	1094	100	1193	1	1300	...	1443	...
Blooming Grove	113	110	...	113	...	...	...	...	...
Perry	1044	1017	27	1044	...	1127	...	1150	...
Johnsville	159	149	14	159	...	...	...	136	...
Woodville	118	118	...	118	...	...	...	161	...

(a) In 1851 to Noble county.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Col. red.
MORROW—Continued.									
Peru	953	947	6	918	35	1054	16	873	3
South Bloomfield	1115	1099	16	1114	1	1289	.....	1395	.....
Sparta	197	196	1	196	1	.....	.....	127	.....
Troy	696	657	39	696	.....	696	.....	640	.....
Washington	916	863	53	911	5	1096	3	1130	.....
Iberia	238	224	14	234	4	275	.....	207	.....
Westfield	1322	1233	89	1321	1	1341	1	1414	.....
MUSKINGUM.									
Adams	727	659	68	727	.....	822	.....	998	.....
Blue Rock	1093	1085	8	1092	1	1159	1	1475	1
Brush Creek	1292	1219	73	1289	3	1341	4	1371	21
Cass (b)	851	781	70	836	15	1155	36	.....	.....
Clay	776	751	25	776	.....	667	1	642	11
Roseville	426	414	12	426	.....	.....	.....	.....	.....
Falls	3361	2852	509	3181	180	2209	158	2098	25
West Zanesville	1744	1384	360	1707	37	673	.....	308	16
Harrison	1197	1072	125	1197	.....	1358	.....	1533	.....
Taylorsville	544	471	73	544	.....	500	.....	634	.....
Highland	784	758	26	784	.....	951	.....	956	.....
Bloomfield	98	91	7	98	.....	.....	.....	.....	.....
Hopewell	1763	1732	31	1741	22	2008	19	2378	.....
Gratiot, part of (a)	74	73	1	74	.....	.....	.....	.....	.....
Hopewell	75	75	.....	75	.....	.....	.....	110	.....
Mount Sterling	210	207	3	210	.....	285	.....	228	.....
Jackson	1174	1143	31	1174	.....	1116	9	1233	.....
Frazeyburg	325	321	4	325	.....	.....	.....	.....	.....
Jefferson (c) (b) .....	.....	.....	.....	.....	.....	1432	4	2811	11
Dresden (c)	1156	1045	111	1137	19	1405	4	1437	4
Licking	993	953	39	974	18	1007	9	1421	13
Madison	1072	1036	36	1072	.....	956	5	1047	.....
Meigs	1414	1086	26	1310	102	1429	118	1544	136
Monroe	876	852	24	876	.....	929	.....	966	11
Otsego	111	109	2	111	.....	.....	.....	.....	.....
Muskingum	1078	1056	22	1076	2	1211	19	1509	.....
Shannon	44	44	.....	44	.....	.....	.....	104	.....
Newton	2389	2347	42	2320	69	2315	25	2634	12
Uniontown	287	287	.....	287	.....	323	.....	339	1
Perry	991	948	43	991	.....	1102	.....	1038	.....
Bridgeville	45	43	2	45	.....	.....	.....	22	.....
Sonora	97	97	.....	97	.....	.....	.....	.....	.....
Rich Hill	1404	1356	48	1396	8	1371	.....	1496	.....
Salem	941	900	41	940	1	1086	.....	1111	.....
Adamsville	280	269	11	280	.....	.....	.....	.....	.....
Salt Creek	1131	1119	12	1131	.....	1157	1	1215	.....
Chandlersville	241	237	4	241	.....	.....	.....	203	.....
Springfield	4022	3748	274	3656	366	3119	206	2854	121
Putnam	2050	1923	127	1807	243	1667	126	1305	78
Union	1643	1567	76	1621	22	1611	21	1555	4
New Concord	488	464	24	486	2	473	1	337	.....
Norwich	268	264	4	268	.....	294	.....	324	.....

(a) See note (c), Licking county.

(b) Since 1850 Cass from Jefferson.

(c) The village of Dresden comprises the whole of the population of Jefferson.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
MUSKINGUM—Cont'd.									
Washington (a).....	1242	1203	39	1225	17	1375	23	1365	15
Jackson	56	54	2	56				45	
Wayne	1508	1369	139	1486	22	1590	16	1419	21
Duncan's Falls.....	194	183	11	194				196	
Zanesville	10,011	8448	1563	9711	1299	8850	379	7700	229
1st ward.....	1410	1242	168	1348	62	1639	75	1888	33
2d ".....	1775	1518	257	1740	34	1731	63	1848	30
3d ".....	1906	1531	375	1862	44	2284	135	1730	111
4th ".....	1388	1143	245	1301	87	3196	108	2234	55
5th ".....	2166	1894	272	2097	69				
6th ".....	1366	1120	246	1363	3				
NOBLE.									
Beaver (c).....	1684	1663	21	1684		1761			
Williamsburg.....	213	211	2	213					
Brookfield (d).....	978	969	9	953	25	1003			
Buffalo (e).....	780	772	8	780		809	17		
Centre	1703	1671	32	1701	2	1852			
Sarahsville.....	256	254	2	256					
Elk (d).....	1655	1477	178	1637	18	1673			
Enoch (d).....	1362	1222	140	1362		1482			
Jackson (d).....	1190	1140	50	1190		1297			
Jefferson	1278	1239	39	1272	6	1397			
Middleburg.....	116	113	3	116					
Marion	1733	1660	73	1724	9	1578			
Summerfield (d).....	470	458	12	462	8				
Noble (d).....	1121	1113	8	1121		1226			
Olive (d).....	1810	1793	17	1809	1	1669			
Caldwell.....	318	312	6	317	1				
Seneca (c).....	982	971	11	982		1078			
Mount Ephraim.....	171	167	4	171					
Sharon	1227	1203	24	1227		1320			
Stock (d).....	1650	1599	51	1626	24	1573	5		
Carlisle (d).....	218	217	1	218					
East Union.....	857	811	46	854	3				
Wayne	796	793	3	796		1011			
Kennonsburg.....	94	93	1	94					
OTTAWA.									
Bay	509	378	131	509		450		359	
Benton	1152	742	410	1145	7	144		54	
Carroll	1036	931	105	1036		757		403	
Catawba Island (e).....	515	417	98	515					
Clay	2174	1654	520	2172	2	749		293	
Genoa.....	558	420	138	556	2				
Danbury	1252	810	442	1250	2	901		501	
Erie.....	455	387	68	455		371		292	
Harris	2190	1789	401	2179	11	1143		407	
Elmore.....	1131	925	206	1120	11				

(a) Exclusive of city of Zanesville.

(b) Also 1 Indian.

(c) In 1851, from Guernsey county.

(d) In 1851, from Monroe county.

(e) In 1863 name changed from Van Rensselaer to Catawba Island.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
OTTAWA—Continued.									
Portage	1246	895	351	1246	.....	1091	.....	625	1
Port Clinton	543	428	115	543	.....	.....	.....	249	.....
Put-in Bay (a)	1148	797	351	1078	70	.....	.....	.....	.....
Salem	1687	1089	598	1687	.....	705	.....	187	.....
Van Rensselaer (a) (b) .....	.....	.....	.....	.....	.....	705	.....	186	.....
PAULDING.									
Auglaize	788	691	97	788	.....	495	5	303	1
Benton	404	368	36	404	.....	209	.....	61	.....
Blue Creek	163	162	1	99	64	85	7	.....	.....
Brown	1140	1100	40	1139	1	785	.....	368	.....
Carryall	1087	1027	60	1063	24	978	1	471	.....
Crane	1686	1497	189	1596	90	472	18	287	.....
Antwerp	717	647	70	710	7	.....	.....	.....	.....
Emerald	717	577	140	683	34	492	7	.....	.....
Harrison	304	287	17	304	.....	217	.....	62	.....
Jackson	556	511	45	541	15	287	.....	58	.....
Latty (c)	294	291	3	277	17	96	.....	.....	.....
Paulding (c)	448	433	15	448	.....	217	.....	.....	.....
Washington (c)	957	946	11	727	230	478	96	155	.....
PERRY.									
Bearfield	901	872	29	901	.....	965	.....	1710	.....
Clayton	1195	1156	39	1195	.....	1328	1	1588	6
Rehoboth	156	147	9	156	.....	.....	.....	.....	.....
Saltillo	83	82	1	83	.....	.....	.....	.....	.....
Harrison	1202	1152	50	1202	.....	1050	.....	1078	.....
Hopewell	1260	1248	12	1260	.....	1247	.....	1387	.....
Jackson	1539	1432	107	1539	.....	1592	.....	1740	.....
Madison	685	681	4	676	9	817	8	938	.....
Mount Perry	71	70	1	71	.....	.....	.....	.....	.....
Sego	33	33	.....	33	.....	.....	.....	.....	.....
Monday Creek	1165	1132	33	1129	36	1177	13	1124	.....
Monroe	1120	1046	74	1095 (d)	18	1424	.....	1429	.....
Pike	2319	2198	121	2314	5	2497	6	2147	.....
New Lexington	953	915	38	948	5	806	6	406	.....
Pleasant	655	635	20	655	.....	776	.....	.....	.....
Reading	3334	3121	213	3327	7	3532	3	3977	7
New Reading	95	95	.....	95	.....	562	.....	.....	.....
Somerset	1153	1049	104	1146	7	1228	3	1233	7
Salt Lick	1349	1318	31	1344	5	1487	18	1731	16
Thorne	1729	1714	15	1729	.....	1737	.....	1847	.....

(a) In 1861 Put-in Bay from Van Rensselaer.

(b) In 1863 name changed from Van Rensselaer to Catawba Island.

(c) In 1856 Latty and Paulding from Washington.

(d) Also 7 Indians.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1880.		1880.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
PICKAWAY.											
Circleville (a)	515	474	41	509	6	449	8	423	8		
Circleville	5407	4845	562	4717	690	3888	496	3190	221		
1st ward	1000	869	131	974	26	978	32				
2d ward	2143	1911	232	1875	268	1279	246				
3d ward	1479	1338	141	1095	384	894	211				
4th ward	785	727	58	773	12	737	6				
Darby	1548	1507	41	1547	1	1525		1146	20		
Palestine	81	81		81							
Deer Creek	1458	1420	38	1431	27	1367	12	1335	19		
Williamsport	514	499	15	500	14						
Harrison	1271	1226	45	1218	53	1210	26	1174	2		
South Bloomfield	283	270	13	283							
Jackson	1202	1154	48	1111	91	989	115	984	58		
Madison	883	858	25	883		912	1	885			
Monroe	1870	1818	52	1853	17	1717	81	1618	19		
Muhlenburg	957	930	27	885	72	803	91	559	26		
Darbyville	233	230	3	232	1						
Perry	1415	1382	33	1413	2	1305	19	1118	2		
New Holland	326	312	14	326							
Pickaway	1632	1569	63	1615	17	1462	14	1411	14		
Salt Creek	1750	1734	16	1747	3	1813		1843	1		
Stringtown	71	71		71							
Tarlton	407	404	3	404	3						
Scioto	1545	1522	23	1517	28	1510	21	1347			
Genoa	154	153	1	154							
Walnut	1636	1604	32	1624	12	1767	1	1840			
Ringgold	121	117	4	121							
Washington	996	978	18	991	5	1060	8	1092	7		
Wayne	790	762	28	734	56	753	47	629	15		
PIKE.											
Beaver	694	575	119	689	5	670	28	464	56		
Benton	1119	1116	3	1026	93	780	31	636	3		
Camp Creek	743	731	12	743		738		389			
Jackson	1840	1779	61	1196	(b) 643	980	415	1107	358		
Sharonville						115		114			
Marion	813	741	72	809	4	793		899	1		
Mifflin	1108	1094	14	1108		821		545	1		
Newtown	1138	1116	22	1128	10	950	6	455	6		
Jasper	181	174	7	181		199	1	73	2		
Pebble	1422	1385	37	1145	277	1179	259	826	88		
Pee-Pee	2320	1955	365	2320		1902		1320	1		
Waverly	1202	976	226	1202		1057		677	1		
Perry	748	742	6	734	14	614	11	653			
Cynthiana						129		134			
Scioto (c)	772	764	8	756	16	696					
Seal (c)	1451	1338	113	1371	80	1417	92	2106	104		
Piketon	638	588	50	588	50	648	36	642	48		
Sunfish	628	523	5	628		495		371			
Union	651	689	62	651		766		564			

(a) Exclusive of Circleville.

(b) Also 1 Indian.

(c) In 1851 Scioto from Seal.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
PORTAGE.									
Atwater	1180	1075	105	1151	29	1178	3	1106	13
Aurora	642	594	48	642	.....	688	.....	823	.....
Brimfield	913	878	35	912	1	905	.....	1015	.....
Charlestown	675	643	32	675	.....	832	3	804	5
Deerfield	1025	947	78	1023	2	1091	.....	1371	.....
Edinburg	929	861	68	929	.....	1018	.....	1101	.....
Franklin	3037	2582	455	3020	17	1547	10	1749	9
Freedom	781	756	25	781	.....	983	.....	995	1
Hiram (a)	1234	1179	55	1232	2	1306	.....	1106	.....
Mantua	1126	1039	87	1126	.....	1207	.....	1168	1
Nelson (a)	1355	1300	55	1355	.....	1301	.....	1383	.....
Garrettsville (a)	658	605	53	658	.....	.....	.....	.....	.....
Palmyra	848	712	136	848	.....	1031	.....	1093	.....
Paris	691	541	150	691	.....	909	.....	1018	.....
Randolph	1564	1337	227	1560	4	1686	.....	1732	.....
Ravenna	3423	2979	444	3377	46	2848	57	2211	29
Ravenna	2188	1872	316	2159	29	1724	53	.....	.....
Rootstown	1169	1049	120	1165	4	1283	.....	1308	.....
Shalersville	977	924	53	977	.....	1151	2	1190	.....
Streetsboro	706	669	37	706	.....	906	.....	1108	.....
Suffield	1444	1243	201	1444	.....	1412	.....	1281	.....
Windham	865	823	42	865	.....	850	.....	808	.....
PREBLE.									
Dixon	1123	1041	82	1096	27	1212	1	1192	.....
Gasper	895	876	19	844	51	898	3	903	5
Gratis	2023	1961	62	1963	60	2128	8	2107	.....
Greenbush	53	51	2	53	.....	.....	.....	.....	.....
West Elkton	156	155	1	137	19	180	5	.....	.....
Winchester	430	424	6	426	4	462	.....	.....	.....
Harrison	2294	2241	53	2294	.....	2217	.....	2099	1
Euphemia	107	99	8	107	.....	.....	.....	281	.....
Lewisburg	391	376	15	391	.....	.....	.....	354	1
Israel	1751	1639	112	1651	100	1610	21	1630	11
Jackson	1430	1331	99	1360	70	1495	23	1399	7
Jefferson	1953	1856	97	1909	44	1816	26	2219	39
Lanier (b)	1634	1531	103	1634	.....	1738	.....	1693	1
Enterprise	61	58	3	61	.....	.....	.....	.....	.....
Monroe	1631	1600	31	1631	.....	1507	.....	1343	.....
Somers	1862	1780	82	1849	13	2032	29	2080	5
Camden	648	628	20	641	7	617	20	.....	.....
Twin (b)	1799	1696	103	1799	.....	1890	.....	1942	.....
West Alexandria (b)	455	432	23	455	.....	.....	.....	.....	.....
Washington	3414	3184	230	3360	54	3153	13	3052	8
Eaton	1748	1613	135	1726	22	.....	.....	1340	6

(a) Of Garrettsville: 187 in Hiram and 471 in Nelson.

(b) Of West Alexandria: 168 in Lanier and 290 in Twin.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
PUTNAM.									
Blanchard	1593	1537	56	1584	9	1693	.....	1395	.....
Gilboa	315	306	9	314	1	311	.....	378	.....
Greensburg (a)	779	617	162	779	.....	754	.....	634	.....
Jackson	737	648	89	737	.....	495	.....	221	.....
Jennings	1059	808	251	1058	1	815	.....	336	.....
Liberty	1120	1009	111	1110	10	785	.....	311	11
Leipsic	200	196	4	200	.....	.....	.....	.....	.....
Monroe (b)	451	441	10	449	2	221	.....	.....	.....
Monterey	979	729	250	972	7	540	.....	85	.....
Ottawa	2837	2293	544	2825	12	1865	6	1166	.....
Ottawa	1129	1027	102	1117	12	.....	.....	104	.....
Palmer (a)	434	362	72	434	.....	284	.....	.....	.....
Perry (b)	637	623	14	637	.....	496	.....	262	.....
Pleasant	1953	1848	105	1931	22	1374	.....	714	.....
Columbus Grove	578	557	21	578	.....	.....	.....	118	.....
Riley	1084	976	108	1084	.....	1047	.....	849	.....
Pendleton	145	127	18	145	.....	.....	.....	180	.....
Sugar Creek	1037	904	133	1031	6	925	.....	550	.....
Union	1031	973	58	1031	.....	883	.....	515	.....
Kalida	290	281	9	290	.....	335	.....	216	.....
Van Buren	1350	1265	85	1346	4	625	.....	172	.....
Bellmore	261	235	26	261	.....	.....	.....	.....	.....
RICHLAND.									
Blooming Grove	1199	1165	34	1199	.....	1360	.....	1430	.....
Butler	768	714	54	768	.....	1050	.....	1139	.....
Cass	1274	1224	50	1272	2	1404	.....	1426	5
Shiloh	297	282	15	297	.....	.....	.....	.....	.....
Franklin	943	916	27	943	.....	1128	.....	1257	.....
Jackson	934	905	29	934	.....	1025	.....	1093	.....
Jefferson	2251	2183	68	2222	29	2388	.....	2564	.....
Belleville	720	687	33	713	7	.....	.....	.....	.....
Madison (c)	1521	1394	127	1521	.....	1686	.....	1578	.....
Mansfield	8029	6507	1522	7949	80	4568	13	3504	53
1st ward	1246	1081	165	1237	9	879	9	.....	.....
2d ward	2340	1907	433	2322	18	996	1	.....	.....
3d ward	2284	1835	449	2264	20	1214	1	.....	.....
4th ward	2159	1684	475	2126	33	1479	2	.....	.....
Miffin	898	851	47	898	.....	963	.....	1106	.....
Monroe	1572	1545	27	1572	.....	1765	.....	1719	.....
Lucas	312	296	17	312	.....	.....	.....	.....	.....
Perry	686	683	3	686	.....	825	.....	924	.....
Plymouth	1609	1466	143	1609	.....	1770	1	1657	6
Plymouth	703	611	92	703	.....	462	.....	.....	.....
Sandusky	682	568	114	682	.....	688	.....	616	1
Sharon	2762	2389	373	2758	4	2222	3	1949	1
Shelby	1807	1608	199	1803	4	1000	3	.....	.....
Springfield	2046	1962	84	2020	26	1756	.....	2100	.....
Lexington	482	462	20	482	.....	.....	.....	.....	.....
Troy	830	783	47	828	2	1547	1	1543	1
Washington	1496	1361	135	1495	1	1797	.....	1914	.....
Weller	1140	1068	72	1140	.....	1201	.....	1290	.....
Worthington	1876	1808	68	1876	.....	1997	.....	2003	.....

(a) In 1855 Palmer from Greensburg. (b) In 1852 Monroe from Perry. (c) Exclusive of City of Mansfield.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
ROSS.									
Buckskin.....	2229	2156	73	1981	248	2134	172	2051	53
South Salem.....						289	29	453	26
Chillicothe.....	8920	7111	1809	8146	774	6915	711	6297	803
1st ward.....	2832	2337	595	2693	139				
2d ward.....	1847	1618	229	1979	568				
3d ward.....	2420	1860	560	2403	17				
4th ward.....	1921	1396	425	1771	50				
Colerain.....	1635	1586	49	1629	6	1288		1398	
Adelphi.....	417	409	8	417		378		412	
Economy.....	166	160	6	166					
Concord.....	2772	2716	56	2448	324	2594	241	2597	75
Franklin.....	519	504	15	389	130	471	80	531	22
Deerfield.....	1223	1201	22	1191	32	1281	23	1308	7
Franklin.....	1082	1049	33	1053	29	810	73	581	61
Green.....	1898	1813	85	1865	33	1958	32	1984	10
Kingston.....	345	332	13	339	6	358	17	330	6
Harrison.....	1150	1091	59	1142	8	1025		878	
Mooresville.....	52	52		52					
Huntington.....	2367	2139	228	2192	175	2099	152	1612	46
Jefferson.....	1013	1001	12	871	142	831	78	825	20
Richmond.....	227	226	1	227				285	
Liberty.....	1460	1444	16	1387	73	1344	71	1105	21
Londonderry.....	163	162	1	163				159	
Londen Station.....	57	56	1	57					
Paint.....	1001	973	28	979	22	1170	50	1709	40
Paxton.....	1738	1713	25	1585	153	1537	158	850	80
Bainbridge.....	647	628	19	619	28	645	34	601	25
Scioto (b).....	2318	1915	403	1998	320	1754	339	1387	209
Massieville.....	119	113	6	82	37				
Springfield.....	1238	1133	105	1109	128	994	56	1114	48
Twin.....	2263	2215	48	1958	305	2366	183	2176	63
Bourneville.....	208	202	6	207	1	230		217	
Union.....	2790	2683	107	2328	462	2190	442	2296	370
SANDUSKY.									
Ballville.....	1731	1526	205	1729	2	2178	10	1556	
Fremont.....	5455	4383	1072	5403	52	3492	18	1439	25
1st ward.....	1658	1441	217	1645	13				
2d ward.....	2416	1857	559	2413	3				
3d ward.....	1381	1085	296	1345	36				
Green Creek.....	3666	3292	374	3623	43	2526	1	1289	
Clyde.....						701			
Jackson.....	1350	1209	141	1350		1478		1092	
Madison.....	985	900	85	985		881		388	1
Rice.....	927	723	204	927		943		475	11
Riley.....	1461	1187	274	1451	10	1198		688	
Sandusky (d).....	1570	1304	266	1569	1	1251		1031	9
Scott.....	1274	1184	90	1274		1264		792	
Townsend.....	1290	1108	182	1264	26	1053	9	967	1
Washington.....	2282	1916	366	2274	8	1975	17	1499	
Woodville.....	1418	1006	412	1418		1516		1237	
York.....	2094	1806	288	2693	1	1619		1811	

(a) Also 4 Indians.

(b) Exclusive of city of Chillicothe.

(c) Also 1 Indian.

(d) Exclusive of city of Fremont.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
SCIOTO.									
Bloom	2203	2027	176	2203	.....	1751	.....	1648	.....
Webster	200	188	12	200	.....	.....	.....	.....	.....
Brush Creek	1410	1336	74	1410	.....	1094	.....	650	.....
Clay	927	797	130	881	46	844	52	846	26
Green	1882	1715	167	1882	.....	2501	12	2344	1
Harrison	1032	917	115	1032	.....	1486	.....	1102	.....
Jefferson (a)	559	525	34	559	.....	1226	1	840	.....
Madison	1578	1527	51	1577	1	1583	.....	1367	.....
Morgan	758	747	11	751	7	686	.....	280	.....
Nile	1473	1360	113	1457	16	1175	1	1004	.....
Porter	1965	1746	219	1965	.....	1873	.....	1674	.....
Sciotoville	486	429	51	480	.....	.....	.....	.....	.....
Wheelersburg	358	337	21	358	.....	494	.....	504	.....
Portsmouth (b)	10592	8530	2062	9722	870	6055	213	3867	144
1st ward	2240	1633	607	2168	72	.....	.....	.....	.....
2d ward	2252	1893	359	2088	164	.....	.....	.....	.....
3d ward	1760	1377	383	1702	58	.....	.....	.....	.....
4th ward	2405	2049	356	1875	530	.....	.....	.....	.....
5th ward	1935	1578	357	1889	46	.....	.....	.....	.....
Rush (c)	638	593	45	624	14	.....	.....	.....	.....
Union (c)	552	445	107	552	.....	1070	.....	605	.....
Valley (a)	724	684	40	723	1	.....	.....	.....	.....
Vernon	1924	1779	145	1924	.....	1554	.....	1105	.....
Washington	1085	999	86	1027	58	920	36	676	30
Wayne (b) .....	.....	.....	.....	.....	.....	156	8	209	10
SENECA.									
Adams	1537	1447	90	1529	8	1661	.....	1414	2
Big Spring	2084	1581	503	2075	9	2367	10	1925	7
Adrian	257	236	21	257	.....	.....	.....	.....	.....
New Ridge	236	157	79	236	.....	.....	.....	.....	.....
Bloom	1492	1381	111	1488	4	1720	.....	1741	1
Clinton (e)	1526	1370	156	1526	.....	2067	1	1670	10
Eden	1483	1400	83	1474	9	1721	.....	1584	.....
Melmore	188	184	4	188	.....	295	.....	249	.....
Hopewell	1370	1179	191	1370	.....	1486	2	1288	.....
Bascom	107	95	12	107	.....	.....	.....	.....	.....
Jackson	1131	1080	51	1131	.....	1258	.....	995	.....
Liberty	1668	1566	102	1668	.....	1541	.....	1400	.....
Loudon	3133	2736	397	3126	7	2453	12	1777	4
Fostoria (d)	1733	1580	153	1726	7	1015	12	.....	.....
Risdom (d) .....	.....	.....	.....	.....	.....	.....	.....	212	.....
Rome (d) .....	.....	.....	.....	.....	.....	.....	.....	465	4
Pleasant	1352	1257	95	1352	.....	1522	.....	1592	.....

(a) In 1860 Valley from Jefferson.

(b) In 1870 city of Portsmouth comprises the whole of Wayne.

(c) In 1867 Rush from Union.

(d) In 1854 Risdom and Rome consolidated and named Fostoria.

(e) Exclusive of city of Tiffin.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
SENECA—Continued.									
Reed	1334	1200	134	1334	.....	1630	1	1494	.....
Scipio	1635	1537	98	1610	25	1808	27	2295	27
Republic	481	454	27	464	17	613	23	901	16
Seneca	1583	1376	207	1561	22	1823	51	1617	45
Berwick	188	162	26	188	.....	.....	.....	.....	.....
Thompson	2070	1794	276	2070	.....	1701	1	1868	.....
Tiffin	5648	4490	1158	5573	75	3974	18	2663	55
1st ward	3275	2574	701	3217	58	.....	.....	.....	.....
2d ward	2373	1916	457	2356	17	.....	.....	.....	.....
Venice	1781	1555	226	1781	.....	2013	.....	1830	.....
Attica	370	331	39	370	.....	.....	.....	.....	.....
SHELBY.									
Clinton	3591	3097	494	3453	138	2750	72	2008	58
Sidney	2808	2390	418	2718	90	1997	58	1284	18
Cynthiana	1597	1419	178	1596	1	1221	5	796	1
Central Point	444	403	41	444	.....	.....	.....	.....	.....
Newport	307	262	45	307	.....	.....	.....	.....	.....
Dinsmore	1700	1491	209	1631	69	1253	11	685	16
Franklin	839	762	77	830	9	815	15	776	12
Green	1254	1218	36	1254	.....	1266	.....	1078	.....
Palestine	86	86	.....	86	.....	.....	.....	.....	.....
Plattsville	94	93	1	94	.....	.....	.....	.....	.....
Jackson	1461	1349	112	1461	.....	1204	.....	705	.....
Jackson Centre	60	60	.....	60	.....	.....	.....	.....	.....
Montra	110	101	9	110	.....	.....	.....	.....	.....
Laramie	1707	1457	250	1704	3	1362	.....	1049	.....
Houston	56	49	7	56	.....	.....	.....	.....	.....
North Houston	44	42	2	44	.....	.....	.....	.....	.....
Russia	53	34	19	53	.....	.....	.....	.....	.....
McLean	1309	925	384	1305	4	1023	21	775	.....
Berlin	266	196	70	266	.....	.....	.....	.....	.....
Orange	951	904	47	925	26	941	.....	922	.....
Perry	1208	1173	35	1208	.....	1150	.....	890	9
Pemberton	157	146	11	157	.....	.....	.....	.....	.....
Salem	1428	1377	51	1428	.....	1226	.....	1495	1
Port Jefferson	410	401	9	410	.....	.....	.....	286	.....
Turtle Creek	1230	1145	85	1197	33	939	14	790	2
Hardin	87	83	4	86	1	.....	.....	.....	.....
Van Buren	1381	1114	267	1070	3105	670	326	364	265
Washington	1092	1054	38	1080	12	1093	12	1218	43
Lockington	214	209	5	214	.....	.....	.....	.....	.....
Newbury	239	235	4	227	12	.....	.....	.....	.....
STARK.									
Bethlehem	2148	1851	297	2147	1	2401	.....	2398	.....
Canton (b)	1952	1678	274	1951	1	1764	.....	1719	.....
Canton	8660	7037	1623	8638	22	4041	.....	2593	10
1st ward	2622	2148	474	2614	8	1002	.....	.....	.....
2d ward	2463	2031	432	2456	7	1134	.....	.....	.....
3d ward	1406	1129	277	1404	2	844	.....	.....	.....
4th ward	2169	1729	440	2164	5	1061	.....	.....	.....

(a) Also 6 Indians.

(b) Exclusive of city of Canton.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
STARK—Continued.									
Jackson	1616	1371	245	1608	8	1557	2	1500	17
Lake	2113	1991	122	2113	.....	2320	1	2228	.....
Greentown .....	.....	.....	.....	.....	.....	207	.....	261	.....
Uniontown .....	.....	.....	.....	.....	.....	248	.....	245	.....
Lawrence	3366	2489	877	3366	.....	2174	1	2278	9
Canal Fulton	1048	770	278	1048	.....	.....	.....	.....	.....
Lexington	5700	4984	716	5567	133	2983	119	1957	39
Alliance	4063	3495	568	3995	68	1383	38	.....	.....
Limaville	204	167	37	193	11	.....	.....	.....	.....
Mount Union	315	307	8	311	4	.....	.....	.....	.....
Marlboro	1870	1759	111	1865	5	2254	16	2124	9
Massillon	5185	3952	1233	5079	106	3800	19	.....	.....
1st ward	1197	948	249	1182	15	.....	.....	.....	.....
2d ward	1049	821	228	1025	24	.....	.....	.....	.....
3d ward	1994	1518	476	1927	67	.....	.....	.....	.....
4th ward	945	665	280	945	.....	.....	.....	.....	.....
Nimishillen	2645	2182	463	2645	.....	2704	.....	2586	1
Osnaburg	2046	1883	163	2035	11	2026	.....	2225	.....
Paris	2625	2402	223	2625	.....	2567	.....	2739	1
Perry (a)	1736	1474	262	1723	13	1477	.....	4617	50
Pike	1333	1245	88	1333	.....	1398	.....	1431	16
Plain	2226	2037	189	2223	3	2297	5	2206	5
New Berlin .....	.....	.....	.....	.....	.....	269	.....	221	.....
Sandy	1116	1031	85	1114	2	1044	.....	1270	.....
Waynesburg	425	390	35	423	2	.....	.....	.....	.....
Sugar Creek	1779	1582	197	1771	8	1800	.....	1743	.....
Tuscarawas	2412	2036	376	2412	.....	2176	.....	2041	.....
Washington	1980	1744	236	1975	5	2023	9	2064	2
SUMMIT.									
Akron	10006	7402	2604	9810	196	3453	24	3193	73
1st ward	2543	1949	594	2465	78	.....	.....	.....	.....
2d ward	4130	2980	1150	4100	30	.....	.....	.....	.....
3d ward	3333	2473	860	3245	88	.....	.....	.....	.....
Bath	1034	984	50	1034	.....	1165	.....	1400	.....
Boston	1142	954	188	1142	.....	1202	.....	1180	.....
Copley	1233	1194	39	1233	.....	1323	.....	1541	.....
Coventry (b)	1817	1312	505	1817	.....	1368	.....	1290	9
Cuyahoga Falls (c) (d) ..	1861	1494	367	1828	231	1488	28	.....	.....
Franklin	188	1717	170	1887	.....	1820	.....	1674	.....
Green	1740	1666	74	1740	.....	1885	.....	1928	.....
Hudson	1526	1278	248	1494	26	1631	1	1453	4
Hudson .....	.....	.....	.....	.....	.....	868	.....	.....	.....
Middlebury (b)	994	722	272	987	7	706	4	.....	.....
Northampton (e)	982	885	97	981	1	972	.....	1147	.....
Northfield	1008	891	117	1008	1	1340	.....	1474	.....
Norton	1821	1548	273	1821	.....	1522	2	1344	.....

(a) Exclusive of city of Massillon.

(b) In 1857 Middlebury from Coventry, Portage, Springfield, and Tallmadge.

(c) In 1851 Cuyahoga Falls from Northampton, Portage, Stowe, and Tallmadge.

(d) Cuyahoga Falls (village) embraces the whole township of same name.

(e) Also 2 Indians.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
SUMMIT—Continued.									
Portage (a) (b) (c)	1594	1270	324	1578	16	1308	10	1154	.....
Richfield	1018	942	76	1011	7	1053	.....	1268	.....
Springfield (a)	2085	1782	303	2085	.....	1811	4	1907	.....
Stowe (b)	925	841	84	918	7	979	15	1690	11
Tallmadge (a) (b)	1277	1055	222	1274	3	1086	.....	2441	15
Twinsburg	729	676	53	725	4	1141	.....	1280	1
TRUMBULL.									
Bazetta	1240	1150	90	1239	1	1177	.....	1302	.....
Baconsburg	446	416	30	445	1	.....	.....	.....	.....
Bloomfield	798	618	180	796	2	838	5	775	14
Braceville	954	876	78	954	.....	1049	.....	956	.....
Bristol	983	964	19	982	1	1120	.....	1124	.....
Brookfield	2657	1642	1015	2657	.....	1218	.....	1451	.....
Champion	820	750	70	813	7	924	.....	1070	.....
Farmington	1056	1017	39	1046	10	1174	.....	1275	8
Fowler	871	839	32	871	.....	996	.....	1089	.....
Greene	915	845	70	907	8	797	.....	958	.....
Gustavus	938	866	72	932	6	890	.....	1226	.....
Hartford	1314	1234	80	1265	49	1295	.....	1257	4
Orangeville	260	235	25	253	7	.....	.....	.....	.....
Howland	664	616	48	664	.....	870	.....	913	6
Hubbard	4588	2513	2075	4578	9	1291	10	1272	.....
Hubbard	1126	635	491	1125	(e)	.....	.....	.....	.....
Johnston	893	798	95	891	2	1009	.....	1099	.....
Kinsman	1029	953	76	1028	1	976	.....	1004	1
Liberty	2420	1572	848	2420	.....	1367	.....	1329	.....
Lordstown	858	816	42	858	.....	989	.....	1329	.....
Mecca	935	892	43	930	5	930	.....	872	.....
Mesopotamia	796	752	44	796	.....	807	4	959	.....
Newton	1280	1226	54	1276	4	1492	3	1678	.....
Southington	799	785	14	798	1	894	.....	1013	.....
Vernon	930	830	100	930	.....	954	.....	825	3
Vienna	1132	1032	100	1131	1	944	.....	1007	.....
Warren (d)	1148	934	214	1129	19	1161	7	2926	31
Warren	3457	2896	561	3362	95	2352	50	.....	.....
1st ward	1212	1067	145	1201	11	.....	.....	.....	.....
2d "	1618	1326	292	1548	70	.....	.....	.....	.....
3d "	627	503	124	613	14	.....	.....	.....	.....
Weathersfield	5184	3152	2032	5172	12	3062	1	1716	1
TUSCARAWAS.									
Auburn	1251	906	345	1251	.....	1413	.....	1248	.....
Ragersville	160	123	37	160	.....	.....	.....	.....	.....
Bucks	1127	867	260	1127	.....	1303	.....	1326	.....
Clay	1205	987	218	1205	.....	1398	.....	1260	.....
Gnadenhutten	284	263	21	284	.....	.....	.....	.....	.....
Dover	3515	2815	700	3514	1	3497	2	3240	8
Canal Dover	1593	1204	389	1593	.....	1343	.....	.....	.....
Winfield	126	121	5	126	.....	.....	.....	.....	.....

- (a) In 1857, Middlebury from Covertry, Portage, Springfield and Tallmadge.
 (b) In 1851, Cuyahoga Falls from Northampton, Portage, Stowe and Tallmadge.
 (c) Exclusive of city of Akron.
 (d) Exclusive of city of Warren.
 (e) Also 1 Indian.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
TUSCARAWAS—Continued.									
Fairfield	781	698	83	781	.....	844	.....	871	.....
Franklin (a)	998	894	104	998	.....	1174	.....	.....	.....
Strasbourg	142	116	26	142	.....	114	.....	109	.....
Goshen	4650	3957	693	4626	24	4111	.....	3063	4
Lockport	250	12	125	250	.....	.....	.....	174	4
New Philadelphia	3143	2686	457	3119	24	.....	.....	1413	.....
Jefferson	1058	84	210	1058	.....	1056	.....	1063	.....
Lawrence	1479	1136	343	1475	4	1484	5	1463	5
Bolivar	413	358	55	410	3	367	5	297	5
Zoar	326	213	113	325	1	252	.....	249	.....
Mill	3436	3197	239	3360	76	1550	36	1497	13
Dennison	828	725	103	825	3	.....	.....	.....	.....
Eastport	25	23	2	25	.....	42	.....	.....	.....
Uhrichsville	1541	1430	111	1482	50	642	4	576	.....
Oxford	1667	1588	79	1667	.....	1525	.....	1436	.....
New Comerstown	791	759	32	791	.....	577	.....	476	.....
Perry	1089	1084	5	1039	.....	1043	.....	1396	.....
Westchester	198	198	.....	198	.....	208	.....	.....	.....
Rush	977	949	28	973	4	1069	1	1373	.....
Salem	1725	1525	200	1725	.....	1840	.....	1853	.....
Port Washington	425	351	74	425	.....	.....	.....	269	.....
Sandy	1163	975	188	1161	2	1207	13	1214	13
Mineral City	175	140	35	173	2	.....	.....	.....	.....
Sandyville	227	209	18	227	.....	.....	.....	222	.....
Sugar Creek	1482	1291	191	1482	.....	1438	.....	1400	.....
Shanesville	360	317	43	360	.....	321	.....	382	.....
Union	742	684	58	742	.....	771	.....	943	1
Warren	822	808	14	822	.....	966	.....	1140	.....
New Cumberland	160	.....	.....	.....	.....	171	.....	203	.....
Warwick	1387	1165	222	1383	4	1379	5	1187	8
Trenton	392	250	42	292	.....	.....	.....	.....	.....
Washington	1113	1085	28	1113	.....	1173	.....	1091	.....
Gilmore	133	122	11	133	.....	125	.....	.....	.....
Newton	98	97	1	98	.....	89	.....	.....	.....
Wayne (a)	1132	975	157	1131	1	1084	8	2335	37
Dundee	106	92	14	106	.....	.....	.....	.....	.....
York	1041	770	271	1041	.....	979	.....	1303	.....
UNION.									
Allen	1198	1130	68	1197	1	1043	9	961	18
Claiborne	1947	1873	74	1908	39	1441	.....	919	.....
Richwood	436	419	17	434	2	246	.....	164	.....
Darby	1142	1021	121	1139	3	1269	.....	881	.....
Dover	929	901	28	929	.....	1066	.....	699	1
Jackson	935	910	25	935	.....	719	1	436	.....
Jerome	1462	1397	65	1400	62	1398	28	1176	73
Leesburg	1410	1390	20	1410	.....	1232	10	701	.....
Liberty	1414	1387	27	1387	27	1431	10	1242	15
Mill Creek	798	787	11	796	2	844	.....	726	.....

(a) In 1854 Franklin from Wayne.

Population of Ohio by Townships.—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
UNION—Continued.									
Paris	2838	2641	197	2728	112	2055	91	1571	16
Marysville	1441	1348	93	1404	37	827	22	605	.....
Taylor	1141	1118	23	1073	68	764	62	395	5
Union	1336	1241	95	1315	21	1098	11	1205	.....
Milford Centre	372	332	40	366	6	.....	.....	211	.....
Washington	819	799	20	817	2	601	.....	333	.....
York	1361	1334	27	1355	6	1323	1	831	.....
VAN WERT.									
Harrison	1319	1191	128	1319	.....	1415	.....	513	.....
Hoaglin	622	599	23	622	.....	378	.....	125	.....
Jackson (a)	249	244	5	249	.....	60	.....	.....	.....
Jennings	914	762	152	914	.....	609	.....	200	1
Liberty	1174	1118	56	1173	1	930	.....	424	.....
Pleasant (b)	3683	3509	174	3605	78	2042	.....	617	2
Van Wert (b)	2625	2487	138	2547	78	1015	.....	262	.....
Ridge (b)	1406	1362	44	1379	27	828	.....	400	.....
Tully	1064	995	69	1064	.....	584	.....	242	.....
Union	524	499	25	516	8	224	.....	84	.....
Washington	2241	1865	376	2241	.....	957	.....	355	.....
Delphos	640	557	83	640	.....	425	.....	.....	.....
Middle Point	119	105	14	119	.....	.....	.....	.....	.....
Straghn	68	64	4	68	.....	.....	.....	.....	.....
Willshire	1644	1529	115	1554	90	1361	68	1010	43
Willshire	268	255	13	268	.....	131	.....	147	.....
York	983	834	149	983	.....	782	.....	375	.....
VINTON.									
Brown	1297	1207	90	1296	1	874	.....	1087	.....
Clinton	1724	1560	164	1724	.....	1545	1	886	.....
Hamden	364	326	38	364	.....	.....	.....	.....	.....
Eagle	681	677	4	678	3	589	4	476	.....
Elk	2063	1958	105	2048	15	222	11	1645	.....
McArthur	861	819	42	846	15	822	.....	424	.....
Harrison	782	770	12	761	21	755	25	559	21
Jackson	1294	1286	8	1294	.....	1222	.....	835	.....
Knox	559	556	3	522	37	466	9	.....	.....
Madison	1623	1412	211	1621	2	782	.....	.....	.....
Zaleski	690	548	142	688	2	.....	.....	.....	.....
Richland	1814	1780	34	1808	6	1705	12	1170	23
Swan	1062	1050	12	1062	.....	1281	.....	1154	.....
Vinton	656	637	19	655	1	807	.....	460	.....
Wilkesville	1472	1372	100	1350	122	1225	91	974	63

(a) In 1855 organized, and since that time east half attached to Putnam county.

(b) Of Van Wert: 2,403 in Pleasant and 222 in Ridge.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
WARREN.									
Clear Creek.....	2605	2509	96	2502	103	2728	57	2655	115
Springborough.....	477	448	29	458	19	472	40	390	64
Deerfield.....	1965	1804	161	1886	79	1970	51	1835	28
Mason.....	357	359	28	374	13	414	27	408	23
Franklin.....	3012	2799	213	2959	53	2930	37	2502	42
Franklin.....	1832	1710	122	1802	30	.....	.....	962	10
Hamilton.....	2466	2308	158	2268	198	2338	.....	2063	5
Maineville.....	290	282	8	286	4	.....	.....	.....	.....
Harlan (a).....	2396	2238	158	2392	4	.....	.....	208	.....
Butlerville.....	191	180	11	191	.....	.....	.....	.....	.....
New Columbia.....	70	68	2	70	.....	.....	.....	.....	.....
Massie (b).....	1270	1237	33	1053	217	1178	12	.....	.....
Harveysburg.....	388	384	4	300	88	420	2	287	42
Salem (a) (c).....	2102	1882	220	2064	38	3814	49	3507	18
East Morrow.....	262	235	27	262	.....	.....	.....	.....	.....
Fredericksburg.....	64	50	14	64	.....	.....	.....	.....	.....
Morrow.....	708	578	130	705	3	720	.....	458	1
Rochester.....	155	147	8	134	21	.....	.....	218	12
Turtle Creek.....	5650	5290	360	5354	296	5235	199	5288	143
Lebanon.....	2749	2580	169	2531	218	2320	169	1960	128
Union.....	232	175	57	232	.....	.....	.....	441	7
Union (c).....	1089	1021	68	1081	8	1686	33	1689	21
Deerfield.....	274	253	21	274	.....	.....	.....	295	.....
Washington (b).....	1229	1173	56	1207	22	1404	6	1560	6
Fort Ancient.....	43	36	7	42	1	.....	.....	.....	.....
Freeport.....	37	32	5	37	.....	.....	.....	.....	.....
Wayne (b).....	2905	2785	120	2745	160	2943	122	3859	222
Corwin.....	135	119	16	134	1	.....	.....	.....	.....
Crosswicks.....	48	46	2	34	14	.....	.....	.....	.....
Mount Holly.....	205	193	12	203	2	.....	.....	.....	.....
Waynesville.....	745	716	29	743	2	825	4	739	5
WASHINGTON.									
Adams.....	1786	1592	194	1786	.....	1955	.....	1292	1
Buell's Lowell.....	350	298	52	350	.....	.....	.....	.....	.....
Aurelius.....	799	756	43	799	.....	832	.....	1251	.....
Barlow (d).....	1194	1111	83	1084	130	1095	105	1010	52
Vincent.....	162	155	7	162	.....	.....	.....	.....	.....
Belpre.....	2462	2279	183	2318	144	1625	4	1601	21
Belpre.....	911	791	120	807	104	.....	.....	.....	.....
Decatur.....	1437	1359	78	1217	220	1047	175	746	61
Dunham.....	755	651	104	755	.....	692	5	.....	.....
Fairfield.....	824	749	75	824	.....	841	.....	.....	.....
Fearing (e).....	1358	1069	289	1358	.....	1599	.....	1248	6
Grand View.....	2273	2128	145	2257	16	1880	11	1154	.....
Grand View.....	193	193	.....	184	9	.....	.....	.....	.....
Matamoras.....	406	361	45	406	.....	.....	.....	.....	.....

(a) In 1860 Harlan from Salem.

(b) In 1850 Massie from Washington and Wayne.

(c) In 1860 part of Union to Salem.

(d) In 1851 Palmer from Barlow, Roxbury, Watertown and Wesley.

(e) In 1861 Muskingum from Fearing, Marietta and Union.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
WASHINGTON—Continued.									
Independence	1395	1290	105	1395	.....	1507	.....	728	.....
Jolly (a) .....	.....	.....	.....	.....	.....	.....	.....	1006	8
Lawrence	2860	2665	195	2860	.....	1625	2	814	.....
Liberty	1632	1485	147	1632	.....	1327	.....	1223	.....
Ludlow	1082	1043	39	1082	.....	1043	.....	1051	.....
Marietta (b) (c)	2697	2371	326	2600	97	2503	2	2067	12
Harmer	1511	1285	226	1416	95	1204	2	1007	3
Marietta	5218	4353	865	5083	135	4289	34	3117	58
1st ward	1889	1630	259	1817	72	.....	.....	.....	.....
2d ward	1901	1621	280	1872	29	.....	.....	.....	.....
3d ward	1428	1102	326	1394	34	.....	.....	.....	.....
Muskingum (b)	1136	945	191	1106	30	.....	.....	.....	.....
Newport	2002	1934	68	1997	5	1806	18	1420	5
Palmer (d)	671	654	17	667	4	618	.....	.....	.....
Plymouth	84	84	.....	84	.....	.....	.....	.....	.....
Roxbury (d) (e) .....	.....	.....	.....	.....	.....	.....	.....	1081	12
Salem	1610	1355	255	1610	.....	1527	.....	1246	.....
Salem	187	167	20	187	.....	.....	.....	.....	.....
Union (b)	862	679	183	849	13	1476	.....	1156	9
Warren	1604	1438	166	1591	13	1690	25	1395	66
Waterford	2046	2012	34	2037	9	2005	14	1676	14
Beverly City	814	791	23	805	9	742	10	.....	.....
Coal Run River	203	202	1	203	.....	.....	.....	.....	.....
Watertown (d)	1456	1323	133	1435	21	1373	33	1351	22
Watertown	181	158	23	181	.....	.....	.....	.....	.....
Wesley (d)	1450	1438	12	1229	221	1284	220	1517	43
Pleasanton	109	108	1	109	.....	.....	.....	.....	.....
WAYNE.									
Baughman (f) (g)	2067	1853	214	2067	.....	2006	.....	1727	.....
Marshallville (g)	322	267	55	322	.....	.....	.....	.....	.....
Canaan	1997	1888	109	1997	.....	1887	2	1922	.....
Burbank	258	248	10	258	.....	.....	.....	.....	.....
Chester	1921	1875	46	1921	.....	1991	.....	2235	.....
Chippewa (g)	2510	2119	391	2507	3	2497	.....	2637	.....
Doylestown	551	497	54	549	2	.....	.....	.....	.....
Clinton	1502	1437	65	1502	.....	1310	.....	1121	.....
Shreve	479	455	24	479	.....	.....	.....	.....	.....
Congress	2581	2502	79	2580	1	2265	.....	2330	6
Congress	309	305	4	309	.....	.....	.....	.....	.....
West Salem	713	668	45	712	1	.....	.....	.....	.....
East Union	1865	1731	134	1865	.....	1807	.....	1940	.....
Apple Creek	300	278	22	300	.....	.....	.....	.....	.....
Franklin	1302	1253	49	1302	.....	1368	.....	1450	.....
Moorland	69	66	3	69	.....	.....	.....	.....	.....

(a) In 1850 Jolly to Monroe county as Benton.

(b) In 1861 Muskingum from Fearing, Marietta, and Union.

(c) Exclusive of city of Marietta.

(d) In 1861 Palmer from Bar.ow, Roxbury, Watertown and Wesley.

(e) In 1851 Roxbury to Morgan county.

(f) Of Orrville: 329 in Baughman and 416 in Green.

(g) Of Marshallville: 298 in Baughman and 24 in Chippewa.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
WAYNE—Continued.									
Green (a).....	2715	2493	222	2713	3	2305	.....	2060	.....
Orrville (a).....	745	679	66	744	1	.....	.....	.....	.....
Milton	1524	1386	138	1524	.....	1428	.....	1360	.....
Paint	1418	1094	324	1418	.....	1490	.....	1627	.....
Mount Eaton	296	182	114	296	.....	.....	.....	.....	.....
West Lebanon	164	158	6	164	.....	.....	.....	.....	.....
Plain	1837	1750	87	1829	8	2063	.....	2375	.....
Salt Creek	1593	1392	201	1593	.....	2296	1	1669	.....
Fredricksburg	539	491	48	539	.....	590	.....	.....	.....
Maysville	88	74	14	88	.....	.....	.....	.....	.....
Sugar Creek	2006	1789	217	2005	1	2133	5	2321	.....
Dalton	419	385	27	411	1	.....	.....	.....	.....
Wayne	1714	1645	69	1711	3	1132	1	2079	.....
Wooster (b)	1145	1051	94	1137	3	1134	1	1314	11
Wooster	5419	4730	689	5390	29	3344	17	2786	11
1st ward.....	1842	1565	277	1826	16	.....	.....	.....	.....
2d ward.....	1689	1471	218	1687	2	.....	.....	.....	.....
3d ward.....	1182	1063	119	1176	6	.....	.....	.....	.....
4th ward.....	706	631	75	701	5	.....	.....	.....	.....
WILLIAMS.									
Brady	1681	1580	101	1676	5	1826	.....	1128	.....
West Unity.....	537	523	14	537	.....	.....	.....	.....	.....
Bridgewater	1207	1155	52	1207	.....	1040	.....	493	.....
Centre	1628	1531	97	1628	.....	1432	.....	881	.....
Florence	1678	1476	202	1678	.....	1319	.....	668	.....
Jefferson	1564	1515	49	1559	5	1586	.....	1015	.....
Madison	1532	1485	47	1532	.....	966	.....	227	.....
Pioneer	338	331	7	338	.....	.....	.....	.....	.....
Mill Creek	1181	1133	48	1181	.....	979	.....	407	.....
Northwest	1521	1467	54	1521	.....	1137	1	343	.....
Pulaski	3547	3276	271	3525	22	1194	.....	760	.....
Bryan	2284	2097	187	2264	20	1064	.....	.....	.....
Springfield	1981	1686	295	1971	10	1451	.....	782	.....
Suryker	671	595	76	671	.....	.....	.....	.....	.....
St. Joseph	1844	1580	264	1844	.....	1242	.....	589	.....
Edgerton	690	579	111	690	.....	.....	.....	.....	.....
Superior	1627	1600	27	1627	.....	1396	.....	723	.....
WOOD.									
Bloom	1394	1352	42	1394	.....	1196	.....	658	.....
Centre (c)	1331	1196	135	1329	2	892	.....	357	.....
Bowling Green (c)	906	823	83	904	2	.....	.....	.....	.....
Freedom	1089	846	243	1089	.....	971	.....	454	.....
Henry	685	663	17	685	.....	454	.....	321	.....
Jackson	347	318	29	347	.....	144	.....	74	.....
Lake	1120	845	275	1120	.....	551	.....	152	.....
Liberty	965	912	53	965	.....	635	.....	236	.....
Middletown	1221	1029	192	1221	.....	652	.....	331	.....
Haskins	243	223	20	243	.....	.....	.....	.....	.....
Milton	1464	1233	231	1464	.....	675	.....	238	6

(a) Of Orrville: 329 in Baughman, and 416 in Green.

(b) Exclusive of city of Wooster.

(c) Of Bowling Green: 471 in Centre, and 435 in Plain.

Population of Ohio by Townships—Continued.

COUNTIES.	1870.					1860.		1850.	
	Total.	Native.	Foreign.	White.	Colored.	White.	Colored.	White.	Colored.
WOOD—Continued.									
Montgomery	1636	1560	76	1636	.....	1575	.....	922	.....
Perry	1323	1287	36	1323	.....	1292	.....	888	.....
Perrysburg	4100	3145	955	4070	30	2834	3	1767	12
Perrysburg	1835	1481	354	1812	23	1491	3	1187	12
Plain (a)	1719	1562	157	1719	.....	1306	.....	492	.....
Portage	1049	1009	60	1069	.....	88	.....	403	.....
Troy	1057	770	287	1057	.....	89	.....	559	.....
Washington	1321	1204	117	1311	10	89	.....	504	.....
Webster	922	784	138	92	.....	671	.....	237	.....
Weston	1833	1725	108	1832	1	1359	.....	546	.....
WYANDOT.									
Antrim (b)	1061	1006	55	1061	.....	1245	.....	757	.....
Crane	3876	3273	603	3819	57	2867	10	1539	5
Upper Sandusky	2564	2096	468	2519	45	1599	.....	749	5
Crawford	1860	1744	116	1859	1	1626	.....	1302	4
Carey	692	648	44	691	1	.....	.....	.....	.....
Eden (b)	1423	1330	93	1411	12	1237	10	646	.....
Jackson (c)	771	718	53	771	.....	603	.....	395	.....
Kirby (c)	835	673	162	831	4	.....	.....	.....	.....
Marseilles	603	584	19	603	.....	693	.....	538	.....
Marseilles	251	247	4	251	.....	.....	.....	.....	.....
Mifflin (c)	866	786	80	866	.....	870	.....	570	.....
Nevada (b)	828	764	64	823	5	.....	.....	.....	.....
Pitt	991	856	135	991	.....	949	8	886	.....
Richland (c)	1271	1224	47	1266	3	1008	6	615	.....
Ridge	584	562	22	584	.....	583	.....	501	.....
Salem (c)	1103	918	185	1103	.....	1062	8	729	9
Sycamore	850	826	24	850	.....	937	.....	880	.....
Tymochtee	1631	1578	53	1622	(d)	1874	.....	1787	31

(a) Of Bowling Green 471 in Centre and 435 in Plain.

(b) Exclusive of part of village of Nevada.

(c) In 1869 Kirby from Jackson, Mifflin, Richland, and Salem.

(d) Also 9 Indians.

NUMBER OF ELECTORS IN OHIO.

The whole number of male citizens in Ohio, according to the census of 1870 is 593,950. The appended table shows the number in each county in the State. Of this number 460,462 voted at the election last October, leaving 133,488 away from the polls. In 1870, 429,587 votes were polled. The highest number of votes ever polled in Ohio, was at the November election 1868, when Grant received 280,223, and Seymour 238,606—total, 518,829. At the October election, same year, for Secretary of State, 516,747 votes were polled. The next highest number ever polled was in 1867, for Governor, when the total vote reached 484,227. On page 114, Secretary of State's Report, will be found a table exhibiting the total vote of Ohio for twenty years.

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Table showing the number of male citizens in Ohio 21 years of age and over in 1870.

COUNTIES.	Number.	COUNTIES.	Number.
Total in State	593,950		
Adams	4,323	Licking	8,275
Allen	4,961	Logan	5,236
Ashland	5,043	Lorain	6,936
Ashtabula	8,092	Lucas	10,641
Athens	5,227	Madison	3,767
Anglaize	3,894	Mahoning	6,792
Belmont	8,904	Marion	3,786
Brown	6,831	Medina	4,985
Butler	9,071	Meigs	6,730
Carroll	3,145	Mercer	3,707
Champaign	5,628	Miami	7,547
Clarke	7,791	Monroe	5,232
Clermont	7,601	Montgomery	15,368
Clinton	5,244	Morgan	4,663
Columbiana	8,677	Morrow	4,350
Coshocton	5,111	Muskingum	9,928
Crawford	5,491	Noble	4,166
Cuyahoga	25,165	Ottawa	2,546
Darke	7,244	Paulding	1,811
Defiance	3,321	Perry	3,997
Delaware	6,069	Pickaway	5,796
Erie	6,292	Pike	3,236
Fairfield	7,048	Portage	6,501
Fayette	4,035	Preble	5,198
Franklin	14,922	Putnam	3,737
Fulton	3,690	Richland	7,774
Gallia	5,404	Ross	8,412
Geauga	4,500	Sandusky	5,792
Greene	6,649	Scioto	6,343
Guernsey	5,258	Seneca	7,040
Hamilton	55,130	Shelby	4,632
Hancock	5,106	Stark	11,880
Hardin	4,180	Summit	7,880
Harrison	4,025	Trumbull	8,253
Henry	3,273	Tuscarawas	7,301
Highland	6,545	Union	4,289
Hocking	3,815	Van Wert	2,976
Holmes	3,852	Vinton	3,107
Huron	6,587	Warren	7,145
Jackson	4,648	Washington	8,894
Jefferson	5,980	Wayne	8,100
Knox	6,443	Williams	4,721
Lake	4,051	Wood	5,479
Lawrence	6,541	Wyandot	4,196

Table showing the Acres and Value of Land in Ohio, in 1870, as shown by the Census.

COUNTIES.	ACRES OF LAND.			PRESENT CASH VALUE.	
	Improved.	Unimproved.		Of farms.	Of farming imple- ments and ma- chinery.
		Woodland.	Other unim- proved.		
Total.....	14,469,132	6,883,575	359,712	\$1,054,465,226	\$25,692,787
Adams	152,591	133,707	3,193	5,715,694	167,403
Allen	119,287	102,109	1,829	8,117,216	259,029
Ashland	189,500	64,419	2,167	14,121,144	428,333
Ashtabula	271,270	91,203	1,432	15,378,315	452,701
Athens	153,673	112,406	663	7,414,708	231,029
Auglaize	94,764	88,568	4,973	6,429,025	203,964
Belmont	221,457	87,254	1,919	16,572,733	318,617
Brown	199,862	83,171	1,799	9,376,576	249,289
Butler	191,028	51,234	1,232	21,452,774	391,908
Carroll	183,075	70,937	825	11,939,575	258,742
Champaign	159,300	70,033	11,973	14,501,483	321,798
Clarke	168,680	52,168	1,194	15,492,266	328,419
Clermont	187,046	60,060	911	14,229,016	389,143
Clinton	160,132	62,477	1,287	11,144,679	189,550
Columbiana	221,714	79,323	2,836	17,419,789	341,487
Coshocton	221,228	106,610	6,135	12,051,120	262,245
Crawford	156,417	65,271	2,762	11,634,697	371,649
Cuyahoga	197,730	41,440	693	20,270,197	397,995
Darke	195,236	132,500	5,100	14,438,481	423,994
Defiance	83,153	89,997	519	5,588,757	158,668
Delaware	189,496	79,920	1,192	14,293,605	287,033
Erie	117,276	18,374	2,077	11,190,256	184,882
Fairfield	212,323	91,701	1,744	17,952,097	370,476
Fayette	181,677	61,640	1,600	15,603,109	237,416
Franklin	201,313	68,478	2,293	18,051,454	439,245
Fulton	92,578	77,624	2,830	7,189,890	252,898
Gallia	152,135	100,137	4,156	6,476,596	178,147
Geauga	182,650	52,521	1,355	10,647,181	279,751
Greene	165,485	57,675	4,957	14,868,341	326,932
Guernsey	208,513	97,296	2,890	11,233,520	271,783
Hamilton	158,028	40,275	1,850	27,723,353	519,058
Hancock	168,120	122,409	6,567	11,880,937	377,120
Hardin	95,497	85,438	3,371	5,859,176	189,166
Harrison	157,408	53,217	1,837	11,972,620	283,433
Henry	57,380	78,149	11,057	4,440,804	136,311
Highland	220,677	87,559	1,400	12,115,599	289,942
Hocking	131,088	104,024	777	5,394,776	206,051
Holmes	161,029	84,540	498	10,869,136	246,092
Huron	198,110	61,799	4,948	13,940,257	366,037
Jackson	129,742	74,267	387	5,050,415	172,813
Jefferson	166,207	75,654	1,261	15,328,050	250,222
Knox	242,537	91,268	517	17,571,640	457,070
Lake	102,821	30,576	1,218	9,287,628	249,432
Lawrence	73,443	69,301	12,727	2,892,997	72,155
Licking	278,611	94,195	5,164	20,116,813	426,941

Table showing the Acres and Value of Land in Ohio in 1870—Continued.

COUNTIES.	ACRES OF LAND.			PRESENT CASH VALUE.	
	Improved.	Improved.		Of farms.	Of farming implements and machines.
		Woodland.	Other unimproved.		
Logan	145,372	94,304	4,141	\$11,179,380	\$323,061
Lorain	228,458	66,908	2,231	17,506,545	467,422
Lucas	64,697	47,559	1,247	8,620,342	232,705
Madison	176,812	42,513	1,535	10,713,942	148,047
Mahoning	179,866	61,981	1,093	14,288,062	312,673
Marion	146,245	62,165	9,498	8,317,109	251,439
Medina	193,950	54,092	1,703	13,454,343	359,935
Meigs	124,794	99,743	1,213	6,576,131	172,156
Mercer	110,030	111,881	1,619	5,229,599	234,228
Miami	163,410	64,807	1,512	16,650,827	404,762
Monroe	176,110	111,946	6,673	6,988,721	187,875
Montgomery	188,813	65,635	2,537	21,660,408	639,910
Morgan	159,628	82,091	1,949	8,205,440	221,032
Morrow	168,225	69,093	5,195	12,689,310	272,361
Muskingum	264,966	115,880	4,958	15,611,844	338,407
Noble	165,155	72,217	147	9,219,017	198,716
Ottawa	40,221	41,904	6,611	2,857,146	81,562
Paulding	23,850	42,082	4,192	1,311,290	42,602
Perry	177,856	71,643	2,158	9,300,643	245,789
Pickaway	259,570	68,821	13,766	21,538,927	346,690
Pike	103,100	96,088	326	3,939,154	112,015
Portage	207,750	62,683	4,042	14,559,729	344,335
Preble	169,594	76,081	3,470	14,467,232	323,466
Putnam	77,671	89,932	5,011	5,011,785	180,945
Richland	211,025	88,582	40,577	17,917,080	370,056
Ross	215,731	93,978	15,917	13,801,113	275,588
Sandusky	142,420	80,852	3,909	12,246,110	327,190
Scioto	85,074	80,908	1,471	4,163,679	216,799
Seneca	216,900	98,541	3,188	17,933,407	429,839
Shelby	125,557	92,272	6,269	8,661,641	278,702
Stark	245,365	69,559	6,612	23,139,051	565,039
Summit	171,255	45,911	5,615	14,527,726	335,920
Trumbull	254,832	89,444	4,322	16,677,276	362,469
Tuscarawas	237,722	97,023	481	15,676,102	352,854
Union	140,107	72,131	17,558	10,628,135	233,456
Van Wert	69,839	82,885	9,410	4,379,086	137,094
Vinton	94,765	72,385	3,837	3,340,474	102,068
Warren	176,077	56,860	3,180	17,773,880	419,670
Washington	184,506	146,100	555	10,432,746	280,342
Wayne	241,936	82,807	2,782	23,005,031	583,184
Williams	128,397	102,671	2,622	8,518,564	202,200
Wood	117,193	94,554	11,484	8,375,993	256,741
Wyandot	122,940	61,101	883	8,132,510	305,074

Agricultural Products in Ohio in 1870, as shown by the census.

COUNTIES.	VALUE.						
	Total amount of wages paid during the year, including value of board.	Total (estimated) value of all farm productions, including betterments and additions to stock.	Orchard products.	Products of market dens.	Forest products.	Value of home manufactures.	Value of animals slaughtered, or sold for slaughter.
	Dollars. 16,480,778	Dollars. 198,256,907	Dollars. 5,843,679	Dollars. 1,289,272	Dollars. 2,719,140	Dollars. 1,371,409	Dollars. 40,498,375
Adams	101,797	1,528,105	100,828	286	24,258	36,620	308,186
Allen	104,374	1,565,908	46,440	496	45,726	11,496	300,494
Ashland	131,136	3,968,925	48,162	5,210	65,433	4,905	550,323
Ashtabula	190,041	2,757,959	23,042	3,987	77,241	3,645	365,893
Athens	117,571	1,607,698	91,499	150	22,426	15,504	387,997
Anglaize	49,368	3,068,288	29,287	779	41,484	6,942	245,580
Belmont	228,039	2,950,783	129,582	59,279	16,336	6,564	599,642
Brown	159,425	2,196,181	51,855	4,190	17,196	13,481	518,081
Butler	368,363	3,807,719	53,989	30,334	74,460	265	844,352
Carroll	105,564	1,685,624	48,065	60	4,273	4,475	288,561
Champaign	308,971	3,100,264	49,297	4,890	47,711	1,489	726,643
Clarke	330,008	2,798,833	46,068	14,894	43,117	2,675	613,263
Clermont	185,702	2,503,790	192,343	33,128	28,680	11,769	472,149
Clinton	178,390	2,498,142	31,920	1,900	7,574	5,571	949,607
Columbiana	143,558	2,623,912	60,393	5,643	8,683	503	413,418
Coshocton	188,863	2,131,943	51,660	43	361	3,991	450,315
Crawford	206,403	2,227,371	72,115	6,877	44,606	4,878	501,365
Cuyahoga	257,206	2,398,792	88,902	163,997	46,919	4,960	244,448
Darke	212,650	3,015,830	64,023	388	61,386	9,321	500,889
Defiance	48,720	1,136,810	36,247	170	30,464	1,195	161,652
Delaware	142,443	2,056,380	42,078	10,118	54,817	9,753	487,031
Erie	141,751	1,820,362	213,631	17,198	3,764	601	88,513
Fairfield	311,968	3,450,967	83,249	3,930	13,079	6,222	1,009,397
Fayette	304,778	4,206,842	46,267	3,655	7,891	2,649	1,564,002
Franklin	463,525	3,495,139	67,509	37,438	28,715	6,016	965,126
Fulton	95,602	1,482,624	74,133	1,100	40,569	9,684	223,174
Gallia	94,282	1,447,320	84,751	6,890	5,053	35,557	266,227
Geauga	145,294	2,087,878	39,478	596	54,934	83,251	229,255
Greene	232,298	2,877,165	71,105	8,280	48,188	5,474	784,074
Guernsey	104,232	2,043,431	125,618	108	3,067	8,009	438,379
Hamilton	709,837	4,305,248	158,642	447,396	19,045	71,638	512,186
Hancock	142,573	2,375,421	109,187	829	38,865	8,504	575,000
Hardin	105,150	1,207,821	36,830	404	33,037	2,256	242,496
Harrison	173,135	1,978,051	56,975	1,105	19,677	1,545	429,451
Henry	56,006	907,291	33,473	4,279	59,935	4,835	141,812
Highland	203,876	2,477,864	62,971	776	38,229	26,674	758,331
Hocking	41,783	1,155,242	75,933	813	4,255	25,136	217,450
Holmes	187,371	1,752,353	42,183	-----	2,636	4,600	397,553
Huron	275,072	2,642,468	68,392	3,845	80,000	2,399	403,344
Jackson	78,451	1,206,387	109,659	150	5,209	24,120	219,217
Jefferson	184,334	2,354,643	56,958	13,510	8,858	20,091	476,990
Knox	130,669	3,061,468	44,275	7,720	25,492	4,659	709,151
Lake	140,193	1,368,588	45,752	6,162	72,662	60,661	214,401
Lawrence	63,570	917,726	78,748	8,877	8,850	16,439	145,317
Licking	296,434	3,471,261	87,438	4,596	33,823	7,049	824,257

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	VALUE.						
	Total amount of wages paid during the year, including value of board.	Total (estimated) value of all farm productions, including betterments and additions to stock.	Orchard products.	Produce of market gardens.	Forest products.	Value of home manufactures.	Value of animals slaughtered, or sold for slaughter.
	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
Logan.....	185,452	1,988,384	47,275	13,765	5,499	5,484	407,638
Lorain.....	251,914	3,068,127	85,620	4,430	132,757	180,984	491,109
Lucas.....	141,532	1,126,254	62,561	30,204	60,749	5,004	167,182
Madison.....	164,212	2,079,324	36,176	184	25,804	4,366	951,727
Mahoning.....	162,534	2,168,583	32,957	11,459	7,766	82,670	369,596
Marion.....	157,336	1,685,801	37,363	1,158	25,265	2,304	427,608
Medina.....	191,189	2,439,460	42,371	1,385	35,144	7,269	397,451
Meigs.....	113,186	1,468,343	109,403	4,922	21,512	88,150	305,820
Mercer.....	87,351	1,090,590	30,960	30	3,424	2,250	226,632
Miami.....	314,244	2,993,974	49,561	9,638	29,125	1,000	412,280
Monroe.....	80,073	1,866,730	124,095	1,390	11,625	20,045	373,582
Montgomery.....	450,220	3,628,371	90,525	45,140	29,885	770	524,975
Morgan.....	84,565	1,918,771	106,288	140	954	13,035	374,070
Morrow.....	123,689	2,008,435	44,492	2,604	11,342	3,905	444,350
Muskingum.....	191,892	3,326,284	96,751	30,278	10,885	3,537	731,957
Noble.....	105,076	1,810,835	91,843	96	16,355	62,859	458,239
Ottawa.....	49,774	791,807	3,416	600	49,990	80,858	34,773
Paulding.....	30,019	335,544	9,307	20	3,207	2,109	50,208
Perry.....	90,824	1,863,241	65,808	.....	15,022	17,243	442,195
Pickaway.....	496,065	4,215,401	24,245	4,225	19,277	789	1,578,349
Pike.....	90,291	979,376	39,455	600	21,036	22,344	205,406
Portage.....	212,944	2,669,520	55,417	2,145	33,356	4,764	353,238
Prelle.....	191,337	2,793,214	52,833	9,079	38,726	3,634	722,443
Putnam.....	31,869	1,512,806	24,218	127	6,635	2,534	225,128
Richland.....	221,446	2,951,341	63,762	4,337	13,637	1,163	437,540
Ross.....	367,735	3,287,765	91,854	12,744	38,567	31,976	997,270
Sandusky.....	191,278	1,942,887	73,725	2,789	61,843	6,114	299,732
Scioto.....	99,713	1,104,920	35,378	10,180	8,717	9,010	134,441
Seneca.....	289,607	2,794,599	123,557	2,934	86,745	21,760	464,942
Shelby.....	166,544	1,944,059	35,416	304	74,268	3,512	307,206
Stark.....	395,558	3,385,641	22,727	5,992	13,161	3,319	385,377
Summit.....	253,574	2,511,048	40,664	90,032	31,769	2,057	297,963
Trumbull.....	292,125	2,757,736	40,098	4,465	72,547	15,388	393,879
Tuscarawas.....	284,228	2,901,896	95,116	22,090	28,479	2,763	486,312
Union.....	141,651	2,027,847	40,707	1,325	19,250	1,085	616,070
Van Wert.....	28,617	744,841	20,414	3,051	11,557	4,527	151,128
Vinton.....	58,911	959,033	43,268	15	7,884	16,930	190,671
Warren.....	335,375	3,293,875	109,626	9,254	31,340	4,586	752,815
Washington.....	157,145	2,212,994	230,855	13,745	28,730	20,171	408,104
Wayne.....	344,378	3,138,220	39,841	312	8,427	2,422	631,688
Williams.....	137,933	1,506,359	46,562	832	47,451	4,933	245,290
Wood.....	112,749	1,623,020	57,152	3,967	70,836	1,884	363,567
Wyandot.....	163,845	1,616,324	39,025	815	29,608	1,781	293,343

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.					
	SEED.		Hops—pounds.	Hemp—tons.	Flax—pounds.	Flax seed—bushels.
	Clover—bushels.	Grass—bushels.				
Totals	102,355	48,811	101,236	25	17,880,624	631,894
Adams	1,488	489	108	.....	813	16
Allen	2,177	643	63	.....	92,035	17,343
Ashland	2,482	1,208	4,184	.....	733,855	17,377
Ashtabula	132	341	13,590	.....	89,540	677
Athens	79	149	19	.....	300	14
Auglaize	1,058	278	7	.....	189	3,460
Belmont	181	1,398	46	.....	60	1
Brown	109	634	128	.....	8	.....
Butler	112	106	2	.....	.....	9,464
Carroll	818	1,606	1,393	.....	467	921
Champaign	1,110	200	43	.....	16,000	2,701
Clarke	1,521	200	604	.....	233,360	10,720
Clermont	82	321	1	.....	.....	2,008
Clinton	106	670	.....	.....	15	23,400
Columbiana	2,998	680	.....	.....	602,978	8,409
Coshocton	898	986	.....	.....	.....	16
Crawford	796	2,986	.....	.....	403	3,378
Cuyahoga	15	100	58	.....	.....	.....
Darke	879	264	25	.....	390	25,387
Defiance	3,015	276	2	.....	11,500	2,738
Delaware	425	727	85	.....	2,312,427	25,776
Erie	401	73	402	.....	.....	.....
Fairfield	3,358	594	4,320	.....	170	279
Fayette	16	314	2	.....	16,820	3,119
Franklin	436	341	36	.....	68	226
Fulton	2,882	101	.....	.....	8,350	553
Gallia	19	67	.....	.....	1,610	41
Geauga	23	177	2,903	.....	493,180	5,156
Greene	396	280	.....	.....	1,137,675	38,998
Guernsey	87	1,292	257	.....	252	38
Hamilton	14	18	5	.....	30	60
Hancock	4,307	876	.....	.....	.....	19,832
Hardin	764	257	8	.....	.....	4,845
Harrison	131	1,225	25	.....	52	44
Henry	1,718	168	67	.....	156	746
Highland	359	1,414	244	.....	190	50
Hocking	900	179	5	.....	3,090	608
Holmes	4,670	433	10	.....	40	378
Huron	541	1,199	1,430	4	.....	572
Jackson	86	331	.....	.....	417	.....
Jefferson	249	704	10	.....	.....	.....
Knox	2,639	1,534	705	.....	171	6,476
Lake	609	23	20,650	.....	1,700	100
Lawrence	32	18	.....	.....	100	18
Licking	1,027	1,376	63	.....	672	684
Logan	1,755	544	16	.....	34,671	5,869
Lorain	509	513	11,348	.....	31	250

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.					
	Seed.		Hops—pounds.	Hemp—tons.	Flax—pounds.	Flax-seed—bushels.
	Clover—bushels.	Grass—bushels.				
Lucas	1,611	39	300			63
Madison	125	175	14			3,848
Mahoning	1,762	657	47		2,684,531	31,000
Marion	855	561	5		702,090	4,428
Medina	2,877	878	1,200		302,715	18,605
Meigs	133	380	168		500	11
Mercer	1,463	292	333		674	12,589
Miami	1,000	100			206,704	40,221
Monroe	748	750	722		1,142	93
Montgomery	1,953	198	788		636,300	45,197
Morgan	234	676	555		20	
Morrow	869	1,507	3		31,242	20,589
Muskingum	341	618	10			
Noble	141	835	498		418	115
Ottawa	151	40	10,906			
Paulding	82	88	44		30	473
Perry	807	704	6		1,633	644
Pickaway	619	181			100	
Pike	66	181			909	22
Portage	348	294	4,179		1,888,400	22,499
Preble	1,074	202	44		23,900	25,486
Putnam	2,690	266	47			1,346
Richland	2,064	1,454	411		95	7,477
Ross	313	222	2,724		120	3
Sandusky	3,975	309	3,500		20	4
Scioto	5	71	57		540	20
Seneca	2,911	3,629	19	2	443	1,215
Shelby	753	188	103		8	18,545
Stark	4,093	276	41		777	8,781
Summit	649	213			238,465	879
Trumbull	113	120	3,117	2	4,651,796	36,194
Tuscarawas	2,678	1,099	7,068		25,728	2,497
Union	231	410	319		160	10,438
Van Wert	1,391	274	46		186	7,646
Vinton	82	306	12		412	32
Warren	165	276	18		46,093	27,024
Washington	628	350	409		350	19
Wayne	6,305	697	443	16	474,527	17,489
Williams	3,857	42	88	1	165,713	16,896
Wood	2,937	406	16		82	5,757
Wyandot	847	534	112		16	1,001

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.				
	Sugar.	Molasses.		Bees.	
	Maple—lbs.	Sorghum—galls.	Maple—galls.	Wax—lbs.	Honey—lbs.
Total.....	3,469,128	2,023,427	352,612	22,488	763,124
Adams	6,162	47,410	3,376	351	8,501
Allen	41,509	9,370	4,357	125	6,792
Ashland	110,742	944	7,879	105	1,901
Ashtabula	146,306	1,800	1,428	511	7,226
Athens	8,118	1,027	43,820	486	17,118
Auglaize	27,655	16,282	2,193	308	6,190
Belmont	648	69,885	319	191	18,031
Brown	833	51,684	731	343	16,348
Butler	970	20,039	8,842	26	7,533
Carroll	758	19,940	106	237	9,796
Champaign	51,218	14,880	8,242	121	12,455
Clarke	391	24,545	655	231	15,441
Clermont	3,126	64,457	378	28	14,414
Clinton	62,611	29,991	9,892	149	8,873
Columbiana	12,097	11,036	2,939	60	7,560
Coshocton	2,193	24,345	166	164	11,764
Crawford	20,101	6,555	3,247	480	4,066
Cuyahoga	53,311	1,327	1,676	498	3,019
Darke	10,040	40,216	6,635	194	7,103
Defiance	11,645	16,416	436	229	2,327
Delaware	69,573	8,457	9,706	362	17,802
Erie	11,090	8,387	40	1,105	1,814
Fairfield	23,137	24,601	5,226	324	16,685
Fayette	203	17,623	652	328	4,430
Franklin	8,376	34,661	3,171	443	11,750
Fulton	1,659	13,256	69	195	7,642
Gallia	1,365	83,979	37	512	13,559
Geauga	377,941	35	1,384	434	1,250
Greene	50,180	14,222	7,704	46	5,336
Guernsey	41	57,889	.....	315	7,595
Hamilton	515	12,749	2,037	203	15,916
Hancock	91,849	4,731	7,521	122	8,677
Hardin	42,216	3,185	3,775	330	5,340
Harrison	511	21,482	1,287	238	6,190
Henry	5,624	11,155	1,149	279	11,373
Highland	10,739	35,155	3,157	254	20,933
Hocking	1,525	40,422	1,037	343	5,783
Holmes	10,369	5,655	3,222	133	6,302
Huron	63,020	10,271	1,547	104	822
Jackson	80	42,523	.....	185	5,252
Jefferson	460	19,429	848	5	5,844
Knox	57,938	5,555	7,926	158	8,055
Lake	41,306	1,522	370	215	4,165
Lawrence	470	83,156	.....	21	5,242
Licking	56,332	24,288	9,380	397	27,640
Logan	359,512	11,872	9,996	347	10,658
Lorain	98,475	16,079	1,963	194	6,188

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.				
	Sugar.	Molasses.		Bees.	
	Maple—lbs.	Sorghum—galls.	Maple—galls.	Wax—lbs.	Honey—lbs.
Lucas	1,655	4,919	37	83	3,543
Madison		5,542	10	10	11,683
Mahoning	91,757	1,844	11,763	6	6,241
Marion	18,415	5,115	1,457	577	10,389
Medina	226,595	889	8,847	230	5,919
Meigs	7,838	62,536	79	344	16,769
Mercer	15,152	20,967	3,671	703	7,554
Miami	26,434	37,542	8,202	43	11,581
Monroe	3,160	68,063		280	12,205
Montgomery	43,707	48,577	18,618	209	7,361
Morgan	1,082	62,536	231	211	10,153
Morrow	67,077	5,500	8,563	274	11,129
Muskingum	393	62,965	200	213	16,705
Noble	1,497	69,643	186	227	17,077
Ottawa		4,412	129	219	2,930
Paulding	5,996	5,145	317	210	3,843
Perry	30,281	39,005	5,600	240	10,197
Pickaway	370	14,363	45	36	4,504
Pike	6,428	35,836	710	234	3,572
Portage	236,753	516	15,235	364	5,955
Preble	22,299	36,039	10,024	117	11,359
Putnam	14,098	12,801	705	397	4,783
Richland	58,543	1,418	10,137	180	2,205
Ross	10,774	24,191	5,943	316	11,501
Sandusky	5,662	11,799	1,391	299	2,191
Scioto	742	46,216	6	386	5,033
Seneca	21,520	14,024	2,607	557	4,706
Shelby	11,005	26,559	3,257	169	7,767
Stark	25,277	3,815	4,998	269	8,228
Sunmit	56,543	2,086	1,814	57	1,900
Trumbull	140,723	1,315	7,811	136	6,036
Tuscarawas	2,500	21,416	460	64	9,567
Union	205,073	6,157	7,562	318	19,194
Van Wert	10,276	8,752	460	50	4,403
Vinton	6,415	29,010	4,048	83	5,862
Warren	58,644	22,494	9,013	387	14,314
Washington	998	79,346	315	308	15,001
Wayne	45,936	3,016	4,963	202	4,862
Williams	15,131	14,728	94	451	2,958
Wood	7,588	14,787	863	390	7,798
Wyandot	9,781	3,051	1,720	217	5,445

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.						
	WHEAT.		Rye—bushels.	Indian corn—bushels.	Oats—bushels.	Barley—bushels.	Buckwheat—bushels.
	Spring—bushels.	Winter—bushels.					
Totals	256,400	27,625,759	846,890	67,501,144	25,347,549	1,715,221	180,341
Adams		162,677	2,123	772,899	156,073	4,376	234
Allen	1,128	314,036	21,671	374,017	209,269	2,985	739
Ashland	492	467,192	8,052	537,798	551,245	17,775	2,008
Ashtabula	8,359	181,832	4,218	382,556	557,632	2,440	4,082
Athens	468	123,277	2,187	619,447	96,012	110	586
Anglaize	2,116	264,640	13,046	379,015	245,277	34,584	1,423
Belmont	5,796	299,409	6,237	1,181,615	481,803	48,763	1,271
Brown	207	199,398	17,740	926,168	196,305	11,987	2,322
Butler		627,377	1,863	1,716,862	229,621	277,016	528
Carroll	56	210,952	23,699	417,864	520,663	10,106	7,397
Champaign	75	724,288	3,943	1,280,472	244,073	12,938	564
Clarke	214	600,488	18,295	1,204,559	227,994	14,829	746
Clermont	99	181,433	13,850	878,027	325,755	5,492	1,367
Clinton	234	329,568	1,764	1,583,997	109,238	6,428	861
Columbiana	197	269,993	25,175	566,242	653,001	11,010	6,905
Coshocton	380	332,011	13,692	1,098,184	401,308	2,716	6,178
Crawford	2,598	481,918	7,755	424,383	461,905	12,268	958
Cuyahoga	29,667	47,821	19,707	350,702	419,176	5,831	493
Darke	293	791,910	20,933	1,063,030	330,352	51,854	3,169
Defiance	151	246,242	1,329	146,810	128,111	2,087	4,266
Delaware	7,084	234,941	7,482	932,760	206,688	1,683	1,602
Erie	21,616	218,258	3,366	550,026	307,089	22,865	2,935
Fairfield	399	553,528	12,721	1,706,216	242,380	24,431	399
Fayette	823	159,687	30,008	2,055,926	66,841		418
Franklin	6,027	417,139	15,871	1,826,313	246,217	13,910	737
Fulton	200	238,000	3,392	199,725	176,248	475	7,779
Gallia	7	192,551	1,755	626,033	135,688	323	899
Geauga	13,177	51,638	4,986	179,319	337,686	1,072	2,414
Greene	34	643,946	10,674	1,527,647	152,747	22,491	347
Guernsey	889	174,162	11,669	685,758	325,676	3,281	3,261
Hamilton	157	162,450	22,706	1,226,726	268,089	96,979	1,467
Hancock	315	513,868	5,536	701,222	286,822	2,868	1,336
Hardin	904	249,913	5,272	270,909	147,562	141	517
Harrison	337	155,351	9,006	588,216	283,959	7,937	758
Henry	48	175,103	3,745	145,522	78,190	2,219	3,301
Highland	83	415,287	4,256	1,110,437	153,324	877	285
Hocking		132,714	5,805	498,660	108,726	1,207	1,187
Holmes	3,298	348,218	15,021	569,895	538,383	18,275	5,425
Huron	45,305	427,191	2,335	777,083	519,905	17,015	1,914
Jackson		90,127	1,718	469,920	119,534		499
Jefferson	360	215,334	7,034	630,196	430,384	44,263	1,611
Knox	526	385,650	20,389	1,223,270	440,130	5,799	5,008
Lake	7,156	77,009	2,559	236,771	202,948	13,758	2,893
Lawrence	81	115,977	1,644	523,858	71,987	105	231
Licking	2,765	329,616	20,046	1,556,341	359,617	3,502	3,799
Logan	975	543,151	3,483	803,782	159,630	1,269	1,682
Lorain	29,659	177,859	5,662	563,083	412,949	25,062	1,210

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.						
	WHEAT.		Rye—bushels.	Indian Corn—bushels.	Oats—bushels.	Barley—bushels.	Buckwheat—bushels.
	Spring—bushels.	Winter—bushels.					
Lucas	985	119,910	2,755	242,502	135,157	2,237	8,958
Madison	1,657	71,497	12,734	1,164,121	73,741	528	454
Mahoning	1,218	174,689	11,847	361,439	449,385	5,590	1,822
Marion	6,418	278,601	3,090	635,291	196,639	1,565	940
Medina	16,634	188,274	13,620	393,696	537,217	9,668	2,415
Meigs	5	140,262	2,975	479,933	102,980	1,635	1,580
Mercer	96	338,193	14,659	341,775	244,289	9,368	1,218
Miami .....	.....	858,886	5,856	1,293,096	379,415	71,804	739
Monroe	362	160,680	15,954	629,846	306,425	1,099	2,312
Montgomery	28	823,975	9,407	1,088,781	409,804	83,002	349
Morgan	51	192,650	3,725	613,837	137,546	891	728
Morrow	3,460	204,254	8,635	615,679	342,300	2,930	2,442
Muskingum	23	336,961	9,998	1,198,677	213,240	1,665	1,602
Noble	158	179,557	7,035	853,950	172,210	565	800
Ottawa	1,888	83,972	658	115,850	58,511	2,729	1,560
Paulding	42	56,513	2,763	55,499	23,938	226	905
Perry	320	196,032	4,975	681,612	132,208	3,820	1,006
Pickaway	723	444,623	22,161	2,867,598	95,008	1,945	190
Pike	77	62,738	4,599	740,557	108,178	4,240	539
Portage	2,827	182,430	18,270	356,953	426,814	33,635	2,864
Preble .....	.....	700,475	2,334	973,686	298,315	32,497	413
Putnam	374	237,212	16,292	434,948	105,896	305	2,427
Richland	1,050	587,525	19,458	621,381	700,830	33,081	3,657
Ross	1,014	326,844	13,639	2,313,529	99,983	4,458	547
Sandusky	3,576	479,087	5,856	341,002	389,233	11,107	2,509
Scioto .....	.....	85,518	180	699,736	116,376	9,474	495
Seneca	3,702	915,202	7,361	641,640	605,519	9,063	1,499
Shelby	668	494,831	6,679	586,424	363,349	23,835	2,660
Stark	56	806,046	8,207	796,914	769,530	175,667	2,293
Summit	4,042	333,889	10,972	688,651	435,771	79,456	2,880
Trumbull	534	112,942	16,229	383,662	433,407	293	2,432
Tuscarawas	143	509,152	30,520	723,659	683,594	18,192	5,241
Union	2,380	206,280	3,941	808,275	156,436	720	924
Van Wert	497	146,222	25,708	162,280	90,379	870	1,244
Vinton .....	.....	44,292	2,366	342,211	59,824	10	1,477
Warren .....	.....	427,674	4,650	1,487,121	281,210	157,273	1,739
Washington .....	.....	206,549	19,476	675,616	245,414	.....	1,917
Wayne	1,086	708,033	10,307	920,537	897,965	43,437	2,551
Williams	148	308,951	1,567	317,760	234,225	1,550	3,796
Wood	2,665	253,880	5,481	309,272	232,364	5,494	5,466
Wyandot	2,708	385,328	4,471	451,887	178,712	1,815	740

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.				
	Tobacco—pounds.	Wool—pounds.	Peas and beans—bushels.	Potatoes.	
				Irish—bushels.	Sweet—bushels.
Totals.....	18,741,973	20,539,643	45,443	11,192,814	230,295
Adams	102,473	52,208	389	39,542	4,530
Allen	518	125,897	88	52,905	2,082
Ashtabula	1,700	197,464	442	363,957	137
Athens	207,839	201,593	286	78,721	1,655
Auglaize	806	76,650	98	36,354	357
Belmont	1,480,478	674,178	991	142,569	3,751
Brown	2,687,743	62,756	1,377	95,510	12,357
Butler	126,977	25,856	261	113,135	5,688
Carroll	50	538,589	323	75,819	112
Champaign	50	169,060	166	74,277	4,281
Clarke	2,775	259,742	581	94,539	7,400
Clermont	1,219,762	39,425	437	308,006	5,953
Clinton	1,065	142,221	289	64,682	3,434
Columbiana	2,287	573,561	48	163,484	1,135
Coshocton	2,287	547,709	81	108,471	381
Crawford	310,505	91	78,498	940	
Cuyahoga	105,175	1,506	484,724	3,043	
Darke	167,989	63,623	267	70,101	4,450
Defiance	20,600	72,215	553	70,325	351
Delaware	25	475,301	420	116,613	434
Erie	200	169,905	701	258,960	142
Fairfield	5,560	175,239	228	116,231	7,059
Fayette	4,800	154,739	636	50,929	1,441
Franklin	225	144,018	1,415	323,525	7,672
Fulton	300	150,424	1,369	106,686	229
Gallia	8,010	65,293	361	132,358	3,652
Greene	150	105,811	1,077	185,731	31
Geauga	277,360	109,591	24	83,270	3,237
Guernsey	474,178	617,551	316	81,885	685
Hamilton	350	12,266	1,482	562,537	22,186
Hancock	60	240,468	161	80,763	1,910
Hardin	16,434	140,021	63	33,717	182
Harrison	120	820,615	28	67,996	481
Henry	7,794	80,482	313	67,347	266
Highland	82,010	81,832	640	50,278	6,482
Hocking	150	130,960	461	54,432	2,025
Holmes	445,909	246,520	34	102,117	996
Huron	69,162	770	169,312	241	
Jackson	140	664,512	798	53,637	1,585
Jefferson	24,887	676,603	286	122,530	1,105
Knox	60	99,058	181	97,301	593
Lake	33,370	19,336	521	700,910	118
Lawrence	220	1,061,513	1,098	52,052	3,148
Licking	60	207,486	946	145,305	1,808
Logan	1,400	405,478	208	56,333	1,533
Lorain			231	267,928	926

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.				
	Tobacco—pounds.	Wool—pounds.	Peas and beans—bushels.	Potatoes.	
				Irish—bushels.	Sweet—bushels.
Lucas		54,067	600	200,052	166
Madison	65	348,114	206	37,572	98
Mahoning	5	295,467	101	124,758	1,073
Marion		337,617	118	53,720	108
Medina	2,550	408,891	521	148,911	301
Meigs	1,353	91,034	902	163,132	5,920
Mercer	3,252	94,742	109	34,208	370
Miami	71,529	55,181	332	82,521	5,083
Monroe	2,845,525	158,066	2,980	98,678	1,272
Montgomery	3,963,183	23,047	820	142,425	14,697
Morgan	486,125	313,372	328	71,821	6,008
Morrow	125	532,348	299	92,452	1,101
Muskingum	5,000	605,194	671	185,130	7,791
Noble	2,304,557	247,534	1,291	61,771	1,748
Ottawa		68,241	451	43,368	23
Paulding	365	19,107	378	20,002	131
Perry	65,552	374,331	44	76,050	3,446
Pickaway	1,176	80,392	62	72,654	1,143
Pike	20,105	36,852	593	57,957	1,172
Portage	50	200,308	946	263,449	50
Preble	330,987	36,119	95	55,264	5,600
Putnam	50	78,605	201	69,659	868
Richland	200	269,981	234	113,877	706
Ross	4,048	85,402	2,096	98,134	4,376
Sandusky		162,063	420	186,491	1,513
Scioto	3,736	21,647	357	81,924	2,282
Seneca		352,973	71	141,819	2,317
Shelby	25,928	104,538	236	51,737	1,015
Stark	200	316,900	235	189,486	2,370
Summit		167,293	380	186,845	108
Trumbull		213,572	112	156,912	161
Tuscarawas	2,092	496,414	191	133,705	344
Union		390,281	370	60,341	439
Van Wert	1,915	57,781	70	35,617	879
Vinton	110,739	104,934	274	41,052	1,654
Warren	474,623	68,242	193	130,661	11,992
Washington	1,041,125	236,230	4,075	216,297	7,927
Wayne	13,300	297,333	29	166,354	3,041
Williams	130	144,635	845	89,792	1,160
Wood	75	126,064	197	131,600	87
Wyandot	280	311,964	213	50,308	229

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.				
	Wine—Gallons.	DAIRY PRODUCTS.			Hay—Tons.
		Butter—lbs.	Cheese—lbs.	Milk sold—galls.	
Totals	212,912	50,266,372	8,169,486	22,275,344	2,289,565
Adams	121	434,664	885	110	9,658
Allen	60	466,482	6,220	6,900	21,173
Ashland	31	668,473	418,011	287,125	33,674
Ashtabula	406	1,134,877	1,193,089	1,674,274	58,678
Athens	69	513,864	22,265	9,029	23,239
Auglaize	19	246,085	3,280	2,201	14,694
Belmont	4,943	830,906	1,454	20,101	33,016
Brown	10,776	519,771	3,063	8,095	13,587
Butler	847	548,878	2,194	25,539	10,692
Carroll	240	600,785	225	77	27,133
Champaign	296	344,401	56,950	38,848	21,082
Clarke	587	449,334	14,480	24,491	23,561
Clermont	11,011	769,133	625	5,220	19,535
Clinton	40	348,150	9,760	7,915	12,919
Columbiana	1,839	848,882	45,425	54,805	45,301
Coshocton	115	676,102	2,585	2,586	27,013
Crawford	99	583,528	40,090	13,925	35,097
Cuyahoga	21,946	786,430	1,204,111	1,015,858	44,640
Darke	127	738,243	653	.....	16,558
Defiance	77	366,211	12,092	2,040	17,971
Delaware	298	630,327	2,599	61,545	39,303
Erie	54,701	339,958	5,650	80,044	19,523
Fairfield	882	609,348	544	10,182	25,107
Fayette .....	.....	361,725	310	3,774	12,015
Franklin	11,238	638,319	1,500	118,600	29,434
Fulton	53	512,290	113,552	154,812	28,387
Gallia	1,031	438,623	11,005	2,970	12,297
Geauga	96	619,742	458,384	4,362,091	39,160
Greene	61	370,179	125	11,660	14,283
Guernsey	971	696,183	1,025	3,720	31,376
Hamilton	16,803	773,387	126,400	2,716,077	25,304
Hancock	382	765,744	4,118	.....	32,903
Hardin .....	.....	277,668	110	210	20,665
Harrison	289	616,628	320	2,638	31,652
Henry	67	297,973	9,460	8,040	11,311
Highland	387	517,622	5,336	7,090	16,970
Hocking	49	387,395	1,819	100	13,792
Holmes	532	589,193	11,311	69,739	26,410
Huron	138	809,801	60,842	259,431	43,747
Jackson	20	390,898	655	.....	15,879
Jefferson	1,789	561,047	12,180	27,930	28,569
Knox	70	799,366	660	14,280	40,770
Lake	740	409,550	21,540	455,212	22,009
Lawrence	143	187,174	2,030	.....	5,103
Licking	319	858,152	17,365	3,154	49,995
Logan	408	452,813	5,000	20	23,837
Lorain	2,655	1,148,946	864,172	1,725,378	56,936

Agricultural Products in Ohio in 1870—Continued.

COUNTIES.	PRODUCED.				
	Wine—galls.	Daily Products.			Hay—tons.
		Butter—lbs.	Cheese—lbs.	Milk sold—galls.	
Lucas.....	380	314,533	3,715	140,733	24,319
Madison.....	40	206,244	40,525	16,740	20,344
Mahoning.....	959	963,557	45,539	41,886	45,371
Marion.....	327	439,226	2,360	1,370	29,062
Medina.....	356	975,938	416,968	1,544,378	48,619
Meigs.....	183	489,087	35,847	18,537	19,464
Mercer.....	209	373,956	2,565	25	16,527
Miami.....	75	489,132	725	22,390	11,531
Monroe.....	1,846	524,887	56,062	370,795	18,091
Montgomery.....	1,261	650,826	762	104,257	19,391
Morgan.....	509	593,454	5,733	1,637	20,400
Morrow.....	435	652,684	3,790	1,417	38,106
Muskingum.....	1,367	815,562	950	41,646	38,094
Noble.....	656	510,963	785	125	19,667
Ottawa.....	41,674	203,812	300	.....	12,200
Paulding.....	31	135,131	350	150	5,740
Perry.....	111	623,153	527	.....	25,581
Pickaway.....	555	301,290	3,660	3,859	11,399
Pike.....	322	215,631	2,385	450	6,446
Portage.....	38	807,636	714,787	2,317,322	40,859
Preble.....	295	507,313	580	1,241	7,978
Putnam.....	60	330,078	704	.....	16,331
Richland.....	40	853,005	22,050	21,680	36,740
Ross.....	2,833	334,391	5,778	11,346	9,368
Sandusky.....	46	549,482	500	4,609	25,987
Scioto.....	823	221,304	200	2,701	9,522
Seneca.....	464	801,181	1,100	6,112	39,812
Shelby.....	93	397,470	176	20	14,001
Stark.....	339	1,238,428	45,018	42,799	54,790
Summit.....	1,266	856,265	372,991	2,173,617	37,857
Trumbull.....	205	1,162,581	1,368,595	1,931,233	59,481
Tuscarawas.....	1,328	917,708	97,112	91,355	41,459
Union.....	716	451,407	43,654	481	30,027
Van Wert.....	58	270,789	4,315	2,842	14,799
Vinton.....	2,128	245,714	6,900	75	12,341
Warren.....	275	574,554	440	11,125	14,485
Washington.....	1,971	702,606	22,708	20,995	26,431
Wayne.....	441	1,117,442	41,220	6,852	55,881
Williams.....	100	571,752	4,620	3,804	30,216
Wood.....	200	582,808	4,830	16,499	28,759
Wyandot.....	106	348,142	280	405	23,403

Number and value of Live Stock in Ohio, in 1870, as shown by the Census

COUNTIES.	Value of all live stock.	Horses—number.	Mules and asses—number.	Milch cows—number.	Working oxen—number.	Other cattle—number.	Sheep—number.	Swine—number.
Total.....	\$120,300,528	609,722	16,065	654,390	23,606	758,221	4,928,635	1,728,968
Adams	913,945	6,140	338	4,520	580	7,729	16,335	20,352
Allen	1,049,034	6,918	195	5,964	90	6,867	38,503	22,667
Ashland	1,596,684	7,762	107	10,299	32	8,202	77,308	21,576
Ashtabula	2,324,215	8,228	88	20,470	539	11,815	43,804	5,762
Athens	1,040,544	5,363	102	5,368	792	10,020	57,498	14,652
Anglaize	804,990	5,631	170	5,214	98	6,147	29,678	18,867
Belmont	1,977,415	9,207	116	7,718	797	10,686	162,787	22,991
Brown	1,215,710	8,113	440	6,326	231	8,491	19,268	28,720
Butler	1,450,912	8,181	306	6,472	28	7,796	6,637	27,078
Carroll	1,434,712	5,628	90	6,314	177	6,543	131,069	10,230
Champaign	1,507,074	7,696	389	5,463	69	8,574	38,103	20,810
Clarke	1,569,299	6,716	275	5,570	65	9,065	54,225	23,410
Clermont	1,310,254	8,107	716	6,837	42	5,806	12,762	25,028
Clinton	1,589,975	7,219	486	5,390	69	8,329	38,826	39,243
Columbiana	2,059,642	8,827	116	9,519	101	9,036	131,527	15,996
Coshocton	1,557,465	8,836	109	8,022	216	12,035	132,173	22,219
Crawford	1,329,321	7,170	57	7,001	34	8,571	73,771	22,927
Cuyahoga	1,596,653	6,902	84	15,641	92	4,770	25,875	7,524
Darke	1,502,227	9,942	216	9,089	233	11,398	20,235	31,522
Defiance	661,608	5,025	68	4,933	121	5,931	24,271	10,676
Delaware	1,511,889	7,705	190	6,770	71	9,333	110,832	20,723
Erie	844,178	4,813	37	4,700	22	3,505	39,751	7,863
Fairfield	1,823,526	8,728	426	7,956	138	13,066	40,138	35,995
Fayette	2,142,123	7,235	528	4,889	555	11,722	34,394	51,955
Franklin	2,019,368	10,565	266	7,841	105	12,166	40,548	43,233
Fulton	868,685	4,924	76	6,043	268	6,537	33,353	10,182
Gallia	887,489	4,889	222	4,944	1,151	7,792	23,740	13,698
Geauga	1,713,580	4,622	118	18,674	200	7,007	19,818	4,344
Greene	1,549,739	7,585	390	5,741	43	8,652	29,320	33,955
Guernsey	1,553,597	7,047	127	6,411	298	8,375	151,848	15,222
Hamilton	1,521,390	8,531	550	12,413	111	3,143	3,647	21,165
Hancock	1,431,473	9,313	109	8,078	62	11,610	56,622	28,299
Hardin	796,664	5,385	250	4,272	169	6,982	42,402	15,212
Harrison	1,431,790	4,844	93	4,477	301	6,214	180,189	9,067
Henry	548,041	3,764	48	3,958	210	4,525	14,692	9,359
Highland	1,662,084	9,227	828	6,743	251	12,532	25,866	40,834
Hocking	834,598	5,062	191	4,903	312	7,585	36,361	15,924
Holmes	1,049,314	7,015	105	7,006	35	7,799	62,491	20,111
Huron	1,618,845	8,550	133	10,113	129	10,053	92,627	15,244
Jackson	862,546	4,294	195	4,490	820	8,878	24,439	11,692
Jefferson	1,711,544	5,577	36	5,429	188	6,649	154,688	11,627
Knox	1,814,755	9,425	105	8,542	57	11,984	145,613	27,872
Lake	900,766	3,598	40	5,409	68	4,199	22,906	2,936
Lawrence	446,916	2,525	111	2,316	912	4,681	8,513	9,747
Licking	2,544,819	9,993	201	8,319	197	14,701	220,963	31,103
Logan	1,267,263	7,433	240	5,586	234	10,040	54,473	20,753
Lorain	2,551,333	8,811	66	21,444	105	10,358	73,146	11,494

Number and value of Live Stock in Ohio in 1870—Continued.

COUNTIES.	Value of all live stock.	Horses—number.	Mules and asses—number.	Milch cows—number.	Working oxen—number.	Other cattle—number.	Sheep—number.	Swine—number.
Lucas	\$666,994	3,875	28	4,346	166	4,084	11,029	8,167
Madison	1,644,404	5,626	519	3,462	837	12,848	70,810	23,570
Mahoning	1,719,516	7,312	109	8,688	304	9,590	68,055	8,667
Marion	1,263,210	6,715	99	4,897	95	9,066	89,616	16,800
Medina	1,871,743	7,588	37	15,621	43	8,665	69,742	10,719
Meigs	860,472	4,929	211	5,360	825	8,143	28,444	13,253
Mercer	874,507	6,518	149	5,816	98	6,667	26,669	24,496
Miami	1,265,435	8,126	157	6,208	13	7,783	16,127	19,414
Monroe	1,154,392	7,060	91	8,358	1,235	8,813	42,198	18,661
Montgomery	1,461,893	9,183	108	8,775	40	7,885	7,095	25,761
Morgan	1,223,275	6,637	112	5,795	674	10,384	78,095	16,468
Morrow	1,483,215	7,985	116	7,653	66	8,321	118,291	16,820
Muskingum	1,890,529	9,430	137	9,379	659	14,821	145,954	21,690
Noble	1,242,629	7,023	133	5,822	650	9,349	64,229	18,167
Ottawa	380,525	2,816	14	2,695	114	3,421	21,484	7,774
Paulding	214,949	1,662	24	1,693	117	2,346	5,975	3,898
Perry	1,243,442	6,241	95	6,340	461	10,958	85,290	16,122
Pickaway	2,343,915	10,285	543	6,491	874	16,687	24,628	54,288
Pike	653,145	4,174	268	3,080	330	4,758	14,261	13,102
Portage	1,903,773	6,373	56	17,135	197	9,364	45,386	6,421
Preble	1,345,878	7,297	136	6,309	40	7,874	10,199	28,839
Putnam	783,632	5,437	79	5,242	56	7,135	23,269	15,466
Richland	1,721,428	8,580	111	8,979	44	10,047	71,093	26,116
Ross	1,765,097	8,035	340	5,532	754	13,504	24,411	53,926
Sandusky	1,063,767	7,643	66	7,064	98	7,512	41,967	18,404
Scioto	560,887	3,577	289	3,281	598	5,178	9,565	10,326
Seneca	1,625,558	10,302	86	9,261	55	9,857	89,104	25,958
Shelby	1,002,645	6,566	125	5,404	25	5,825	27,500	18,380
Stark	2,023,606	10,653	56	12,135	45	12,579	81,300	23,850
Summit	1,563,462	5,947	22	13,127	64	7,622	36,620	10,614
Trumbull	2,499,738	8,067	129	19,811	265	14,032	47,168	7,580
Tuscarawas	1,892,650	9,188	136	10,077	252	11,117	128,301	20,361
Union	1,364,533	6,876	258	5,073	92	9,014	75,924	19,252
Van Wert	585,954	4,364	92	4,340	102	5,100	19,780	12,945
Vinton	639,667	3,205	212	3,066	612	6,129	29,405	6,781
Warren	1,596,373	7,801	258	6,487	31	7,461	19,710	32,836
Washington	1,307,071	7,047	122	7,669	1,148	10,028	61,784	17,553
Wayne	2,151,273	11,430	155	12,218	132	13,581	69,227	35,746
Williams	962,490	6,761	60	6,682	242	8,015	39,779	17,718
Wood	1,029,633	6,982	81	7,000	257	8,191	33,035	15,749
Wyandot	1,053,120	5,328	89	4,422	78	6,503	77,902	15,451

Table exhibiting the Valuation of Real and Personal Property in Ohio, as ascertained by the Census of 1870.

COUNTIES.	Assessed value of real estate.	Assessed value of personal estate.	Total assessed value of real and personal estate.	True valuation of real and personal estate.
Total for State	\$707,846,836	\$459,884,861	\$1,167,731,697	\$2,234,160,300
Adams	3,985,784	2,069,165	6,054,929	9,555,481
Allen	3,724,992	3,013,810	6,738,802	12,664,050
Ashland	6,666,924	3,717,462	10,384,386	16,067,439
Ashtabula	7,121,366	4,544,067	11,665,433	19,425,000
Athens	3,156,188	2,458,589	5,614,777	10,474,263
Auglaize	3,301,234	1,618,036	4,919,270	8,642,293
Belmont	9,208,534	6,391,130	15,599,664	29,547,000
Brown	7,150,856	3,402,638	10,553,494	15,961,419
Butler	15,756,280	9,062,113	24,818,393	42,000,000
Carroll	3,836,172	2,125,718	5,961,890	13,650,000
Champaign	9,534,375	6,416,342	15,950,717	19,648,235
Clarke	10,818,473	8,644,021	19,462,494	37,905,000
Clermont	9,166,470	4,202,090	13,368,560	22,611,631
Clinton	8,170,917	4,363,802	12,534,719	20,733,702
Columbiana	9,198,496	7,092,504	16,291,000	36,257,471
Coshocton	6,790,150	3,704,870	10,495,020	20,791,461
Crawford	7,133,104	4,536,043	11,669,147	24,786,902
Cuyahoga	29,243,643	24,246,086	53,489,729	106,575,000
Darke	7,211,405	5,287,126	12,498,531	30,436,350
Defiance	2,077,892	1,104,191	3,182,083	7,940,596
Delaware	6,933,425	4,272,123	11,205,558	25,035,973
Erie	5,692,951	3,972,003	9,664,954	15,276,166
Fairfield	10,076,160	5,074,270	15,150,430	27,305,235
Fayette	7,145,635	4,172,723	11,318,358	16,637,986
Franklin	22,278,598	13,091,694	35,370,292	66,546,900
Fulton	1,824,669	930,189	2,754,858	6,616,103
Gallia	3,360,005	2,617,938	5,977,943	9,415,259
Geauga	4,357,610	2,164,264	6,521,874	11,029,795
Greene	11,610,790	7,397,555	19,008,345	31,498,478
Guernsey	5,425,883	2,910,613	8,336,496	12,567,368
Hamilton	97,968,944	67,733,574	165,702,518	341,250,000
Hancock	5,287,210	2,478,659	7,765,869	18,064,333
Hardin	3,129,062	2,266,457	5,395,521	26,741,519
Harrison	5,429,742	3,982,990	9,412,732	13,619,072
Henry	1,503,751	764,892	2,268,643	6,417,713
Highland	9,659,215	4,627,803	14,317,018	24,243,858
Hocking	2,280,513	1,472,370	3,752,883	8,423,962
Holmes	5,053,570	2,120,710	7,174,280	11,630,473
Huron	8,585,800	5,361,184	13,946,984	26,831,575
Jackson	2,463,247	1,801,747	4,264,994	8,400,000
Jefferson	7,716,147	5,931,070	13,647,217	28,931,260
Knox	8,475,342	4,298,345	12,773,687	23,702,975
Lake	4,190,870	3,676,684	7,867,554	14,171,449
Lawrence	3,328,690	3,389,283	6,717,973	11,334,186
Licking	13,439,146	7,095,590	20,534,736	38,437,990
Logan	5,948,240	4,094,280	10,042,520	22,177,673
Lorain	7,357,855	5,574,495	12,932,350	24,879,670
Lucas	6,640,900	6,251,120	12,892,020	32,287,500
Madison	6,530,690	4,445,220	10,975,910	22,036,807
Mahoning	7,428,005	5,432,312	12,860,317	27,510,000
Marion	5,657,459	3,570,431	9,227,890	18,649,693
Medina	5,952,706	3,364,146	9,316,852	20,712,540

Table exhibiting the Valuation of Real and Personal Property—Continued.

COUNTIES.	Assessed value of real estate.	Assessed value of personal estate.	Total assessed value of real and personal estate.	True valuation of real and personal estate.
Meigs	\$4,584,521	\$3,069,502	\$7,654,023	\$15,437,670
Mercer	2,316,654	1,105,243	3,421,897	5,515,078
Miami	10,771,377	6,707,621	17,478,998	30,927,538
Monroe	3,481,800	1,853,639	5,335,439	8,047,939
Montgomery	21,279,040	15,523,130	36,802,170	68,775,000
Morgan	4,328,515	2,906,116	7,234,631	10,282,582
Morrow	5,417,092	3,377,227	8,794,319	18,254,095
Muskingum	13,168,300	8,439,888	21,608,188	25,031,981
Noble	3,121,986	1,806,015	4,928,001	8,810,543
Ottawa	2,251,517	878,967	3,130,484	4,601,810
Paulding	1,140,956	549,091	1,690,047	4,725,000
Perry	4,185,597	1,885,056	6,070,653	13,247,489
Pickaway	11,313,143	6,112,203	17,425,346	36,562,734
Pike	2,674,828	1,969,686	4,644,514	9,660,000
Portage	8,310,754	5,918,189	14,228,943	9,919,420
Preble	9,290,780	5,023,050	14,313,830	29,665,461
Putnam	2,517,133	1,200,193	3,717,326	8,472,202
Richland	9,467,283	7,507,765	16,975,048	24,184,794
Ross	12,674,210	7,569,191	20,243,401	32,824,329
Sandusky	4,821,665	3,336,856	8,158,521	17,353,597
Scioto	4,899,272	4,937,562	9,836,824	19,624,631
Seneca	8,892,640	4,171,595	13,064,235	23,133,987
Shelby	4,661,023	2,771,210	7,432,233	15,487,560
Stark	12,912,900	9,058,700	21,971,600	47,884,648
Summit	9,599,703	7,253,980	16,853,683	39,661,650
Trumbull	9,005,205	6,111,352	15,116,557	34,941,818
Tuscarawas	8,205,240	4,241,596	12,446,836	20,200,145
Union	4,695,335	2,369,778	7,065,113	14,115,946
Van Wert	1,970,233	1,781,026	3,751,259	7,513,837
Vinton	2,087,220	1,598,260	3,685,480	5,583,937
Warren	10,325,116	7,644,455	17,969,571	35,496,536
Washington	6,557,775	4,665,975	11,223,750	17,161,659
Wayne	11,009,927	6,259,472	17,269,399	28,213,234
Williams	2,610,355	1,564,898	4,175,253	11,406,819
Wood	2,927,527	1,809,690	4,737,217	11,908,537
Wyandot	4,354,127	2,570,147	6,924,274	12,749,284

Table exhibiting the amount of Taxes other than National, levied in each county in Ohio in 1870, as shown by the census.

COUNTIES.	TAXATION—ALL KINDS.			
	State— $\frac{1}{2}$ mills.	County.	Town, City, etc.	Total.
Total for State.....	\$4,675,838	\$6,501,941	\$12,297,289	\$23,475,068
Adams	24,220	27,247	31,980	83,437
Allen	26,955	65,042	59,447	151,444
Ashland	41,537	47,519	56,795	145,851
Ashtabula	46,262	59,736	84,138	190,136
Athens	20,448	86,032	28,795	135,275
Auglaize	19,677	37,147	45,484	102,308
Belmont	62,399	88,707	95,225	246,331
Brown	42,213	60,150	80,196	182,559
Butler	96,451	68,722	220,507	385,680
Carroll	23,848	32,782	23,657	80,287
Champaign	63,802	62,144	98,765	224,711
Clarke	77,850	69,272	169,776	316,898
Clermont	63,474	65,038	90,881	219,393
Clinton	50,139	33,382	75,424	158,945
Columbiana	65,164	73,141	100,333	238,638
Coshocton	41,980	57,722	56,540	156,242
Crawford	46,677	54,056	96,878	197,611
Cuyahoga	213,959	178,508	1,246,303	1,638,770
Darke	49,994	77,955	85,582	213,531
Defiance	12,728	48,526	28,222	89,476
Delaware	44,822	68,100	72,236	185,158
Erie	38,666	47,299	101,953	187,918
Fairfield	60,601	90,903	88,111	239,615
Fayette	45,273	36,218	63,206	144,697
Franklin	141,481	179,173	340,164	660,818
Fulton	11,019	48,544	34,152	93,713
Gallia	23,912	28,027	59,825	111,764
Geauga	26,087	48,914	29,815	104,816
Greene	76,033	122,831	126,827	325,691
Guernsey	33,345	72,944	45,961	152,250
Hamilton	662,810	647,159	3,526,346	4,836,315
Hancock	31,063	66,679	61,313	158,055
Hardin	21,582	57,639	69,422	168,643
Harrison	37,651	51,289	49,189	138,129
Henry	9,075	32,668	50,030	91,773
Highland	57,268	74,503	79,658	211,429
Hocking	15,012	29,648	30,621	75,281
Holmes	28,697	39,459	38,542	106,698
Huron	55,787	79,749	80,251	215,787
Jackson	17,059	27,722	33,030	82,811
Jefferson	54,589	83,015	117,399	260,003
Knox	51,095	57,238	59,409	167,742
Lake	31,470	35,361	39,026	105,857
Lawrence	26,872	67,180	66,901	160,953
Licking	82,139	117,895	115,166	315,200
Logan	40,170	97,363	55,258	192,791
Lorain	51,729	46,562	74,603	172,894
Lucas	51,568	95,270	413,312	560,150
Madison	43,903	48,826	159,050	251,779
Mahoning	51,441	69,373	123,383	244,197

Table exhibiting the amount of Taxes other than National, levied in each County in Ohio in 1870—Continued.

COUNTIES.	TAXATION—ALL KINDS.			
	State—4 mills.	County.	Town, city, etc.	Total.
Marion	\$36,911	\$76,031	\$52,724	\$155,666
Medina	37,414	26,442	45,502	109,358
Meigs	30,616	53,152	71,482	155,250
Mercer	13,688	42,549	29,082	85,325
Miami	69,915	81,825	123,917	275,657
Monroe	21,342	47,526	33,819	102,687
Montgomery	147,209	191,388	432,886	771,483
Morgan	28,939	38,999	41,645	109,583
Morrow	35,177	35,787	57,041	128,005
Muskingum	86,433	129,648	181,739	397,820
Noble	19,712	34,822	24,097	78,631
Ottawa	12,522	32,571	48,018	93,111
Paulding	6,760	30,189	41,341	78,290
Perry	24,283	26,885	31,048	82,216
Pickaway	69,701	106,683	99,893	276,277
Pike	18,578	28,215	31,445	78,238
Portage	56,916	55,700	83,560	196,176
Preble	57,255	42,636	94,379	194,270
Putnam	14,869	58,314	42,756	115,939
Richland	67,900	119,862	141,640	329,402
Ross	80,974	167,008	155,403	403,385
Sandusky	32,634	74,829	62,519	169,982
Scioto	39,347	98,368	104,715	242,430
Seneca	52,257	60,871	87,081	200,209
Shelby	29,728	69,234	44,403	143,365
Stark	87,836	147,449	189,211	424,546
Summit	67,415	57,276	181,894	306,585
Trumbull	60,466	59,938	109,287	229,691
Tuscarawas	49,787	83,489	84,074	217,350
Union	28,260	54,309	68,738	151,307
Van Wert	15,005	49,842	33,483	98,330
Vinton	14,742	27,333	27,957	70,032
Warren	71,878	92,278	100,864	265,020
Washington	44,895	95,606	94,726	235,227
Wayne	69,079	72,292	102,309	243,680
Williams	16,701	48,251	34,816	99,768
Wood	18,949	67,076	68,110	154,135
Wyandot	27,699	62,889	35,612	126,200

CONCLUSION.

Owing to the large amount of space occupied by the Census, the statistics of railroads in Ohio, and the list of Ohio inventors are omitted.

The salary of the Secretary of State and Commissioner of Statistics ought to be increased. The duties enjoined by both offices, with the meagre clerical force allowed, require more labor than is demanded of any other State officer, and the amount is yearly increasing. The present salary, for both offices, is \$2,000 per year. I have held these offices for the past two years, at a loss, above living expenses, of over \$1,000 per year. I am not a candidate for re-election, even if the present salary should be doubled, and have no interest in the future of the office, other than that of a private citizen. A bill has been introduced in the Senate of the present General Assembly to increase the salary of our Supreme Judges, and one in the House to increase the salary of the State School Commissioner. Both these bills ought to pass—and I trust there will be found in both branches of the General Assembly a majority of reasonable gentlemen willing to do justice to this office.

Trusting that my present report may meet your approbation,

I am, gentlemen of the Assembly,

Your most obedient servant,

ISAAC R. SHERWOOD,

Sec'y of State and Com. of Statistics.

ERRATA.

Line six, page 57, read \$1,307.27, instead of \$13,072.77, and line thirteen, same page, read \$715.04, instead of \$12,486.54.

ANNUAL REPORT

OF THE

SUPERVISOR OF PUBLIC PRINTING

TO THE

GOVERNOR OF THE STATE OF OHIO,

FOR THE YEAR 1871.

R E P O R T
OF THE
SUPERVISOR OF PUBLIC PRINTING.

To His Excellency R. B. HAYES,
Governor of Ohio :

A statement of expenditures from the several funds appropriated for the Public Printing and Binding, for the year 1871, is herewith transmitted.

STATE PRINTING.

The expenditure from the Printing fund, for the work of 1871, amounts to the sum of \$29,104.24. This is an advance of \$8,494.72, over the expenditure of 1870; although the contract prices for Printing are ten or twelve per cent. lower than for the last two preceding years; which shows a considerable increase in the amount of work done the past year. But of the aggregate sum, \$9,727.16 was expended for lithographic maps and wood engravings for the Geological, Agricultural and Secretary of State's Reports, and is not embraced in the accounts of the State Printers.

The cost of the Paper used in the work done for the State, was \$51,522.22; being an increase of \$22,581.36, over the cost of paper for the work of 1870. Besides the increase of work done, the price of paper was nearly fifty per cent. higher than that of the preceding year; which accounts for the largely increased expenditure.

As there was no re-letting of the Public Printing in 1871, there will be no change in the prices of printing for 1872; but the price of paper this year is considerably lower than last year, while the quality of the accepted samples is better.

In a communication to the Legislature last winter, near the close of the session, I stated that the facilities of the public printers were not sufficient to enable them to execute the work of the State, in addition to their

large private patronage, with the facility which the public interest required; and sought instructions as to the course to be pursued in the emergency. No provision was made, or instructions given; and so the matter has been left to its natural course. The difficulty predicted has been realized; though I confess not to the extent I anticipated. The public printers have done the best that could be done with their means and facilities, and their outside work, which is probably much more remunerative. Still the work was, at the close of the fiscal year, and is at the present time, a month or two behind the prompt execution of it which is desirable. But the fault is not all that of the public printers; a part of it is attributable to causes which they cannot control. For example, a considerable portion of the work on the Journals of the two Houses of the Legislature, under the present system, has to be done after the time when the public printers should be able to devote their whole force to the execution of the Reports of the State Officers and Public Institutions for the new year. I think the best way to remedy this portion of the difficulty, is for the Legislature to require the daily Journals of the two Houses to be made complete day by day, so that the printer can be at work on them at any time when other and more essential work is not in the way. At the close of every session, the printing of 25,000 copies of the Laws must take precedence of all other work. About the same time there is a demand for the printing of the two volumes of Insurance Reports. Then follows the Agricultural Report of 20,000 copies, which is required by law to be done by the first of September. These are principal items, but many smaller ones intervene in the same time. The consequence is that the Journals are necessarily delayed till the latter part of the season; and after the text is printed, a delay of some six weeks or two months intervenes for the preparation of the indexes; and thus the completion of the Journals is delayed until the eve of the meeting of a new session of the Legislature, and at a time when both the printers and binders should be able to devote their time and force to the execution of the Reports, &c., which, so far as made, should be ready to send to the Legislature at the opening of the session. If the printing of the Journals was commenced in the winter, as I think it might and should be, and prosecuted from time to time as other more needed work would permit, I know of no reason why a great portion of the work of indexing may not be done by the Clerks, as the forms come from the press from time to time, so that ten days or two weeks at most, would be all the time required to complete the indexes after the text should be finished. But this improvement of course involves a prompt execution of all the work in its season.

I suggest an amendment to the printing law, so as to authorize the Supervisor, with the advice and consent of the Commissioners of Printing, to employ other parties to do such portions of the work as the regular contractor cannot, or for any cause does not execute when the exigencies of the State require it to be done. Such a stipulation in the proposals, and inserted in the contract, would be likely to induce an agreement upon prices that would justify the printers in making preparations to execute all the work promptly, and seldom leave it necessary to resort to the extreme measure suggested.

A law of last session provided for the re-printing of certain volumes—seventeen in all—of the Ohio Reports, to be executed by the public printers, “under the printing contract now subsisting.” An execution of this law has been entirely impracticable, for the same reasons that desirable promptness in the execution of the ordinary work could not be had. Besides, the public printers claim that it is a requirement not embraced in their present contract when it was entered into, and therefore they were not under obligation to execute work which would inevitably involve a considerable loss to them. The existing law provides that “Any printing or binding required to be done for the State, not embraced in the five classes specified in the act to provide for the execution and supervision of the State printing and binding, shall be subject to the requirements and restrictions of said law; and the Commissioners of Printing may issue proposals therefor, from time to time, as occasion may require, whether provided for by law, or resolution of the General Assembly.” (*Supplementary act of May 1, 1862, Sec. 1.*)

The Secretary of State will report his action, and the opinion of the Attorney General, on this subject.

The law of last session, attaching a penalty to the delinquency of county officers and others who are required to report statistics, and making it the duty of prosecuting attorneys to prosecute therefor, on requirement of the Auditor of State, made it practicable this year, for the first time, to publish the Agricultural Report by the first of September, as required by law. But three county auditors were found remiss at the time returns of statistics are required to be made, and they all came to time with admirable promptness after receiving the compliments of the State Auditor through the prosecuting attorneys. The law is a good one, and saves a vast amount of embarrassment and perplexity in several departments of the government. ♣

STATE BINDING.

The binding for the State, in largely increased quantity and in improved style, has nearly all been executed at the State Bindery at the

Deaf and Dumb Asylum, at an expense of \$17,298.10—the amount of bills drawn on the Bindery fund during the fiscal year. This expenditure, however, embraces a considerable amount for blank books, file boxes, etc., that have heretofore been paid for out of the appropriation for stationery. The establishment is now prepared to execute all the work required to be done for the State, in a style which, it is believed, will give entire satisfaction, and be creditable to the State. But the Bindery is embarrassed very much, at some seasons of the year, by the same causes that have been stated in connection with the execution of the printing—throwing a great amount of work that is required to be done, into the time when the whole force is requisite to promptly execute that which properly appertains to the beginning of the fiscal year.

I have paid into the State Treasury this year, from the sale of binder's shavings, the sum of \$2,050.19.

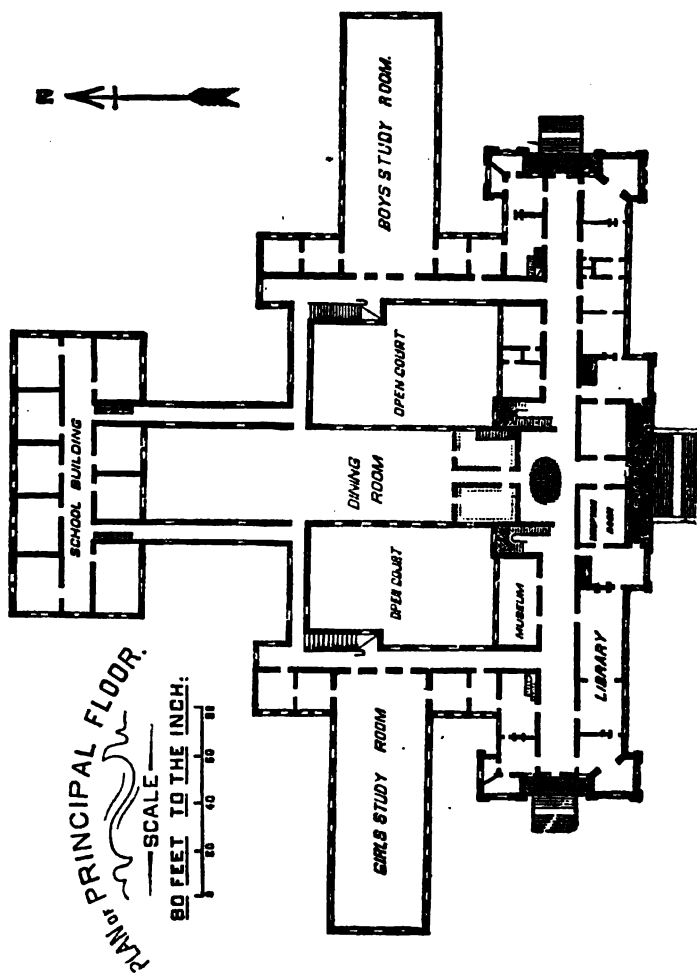
PRINTING AT DEAF AND DUMB ASYLUM.

The sum of \$1,867.79 was expended last year in connection with this department. A portion of this sum was expended in the purchase of a new hand press and some small fonts of type, etc., to enable the pupils employed in that department to become familiar with work in an improved style. "THE MUTES' CHRONICLE" has been issued regularly every week during the term time of the Asylum; from the sale of copies of which the sum of \$66.20 has been paid me by the Superintendent of the Asylum, and paid into the Treasury. Some printing of books, etc., for the Institution, has also been done, making a saving of expense elsewhere in that direction.

ADVERTISING.

I have audited bills for advertising the past year, to the amount of \$2,016.45. For the nature of the advertising embraced in this amount, and the parties to which the payments have been made, reference is directed to a table of items attached to this Report.

There is a discrepancy in the laws relating to advertising, the payment for which is made from the State Treasury, which sometimes occasions embarrassment, and which it would be well to remedy by amendment. One clause of the supplementary law of May 1, 1852, provides that "the prices allowed shall be the same per square as charged for other plain advertising in the paper, inserting it." Another clause defines a square to be "the space occupied by three hundred ems of plain solid matter." In most of the daily papers a square is defined to be a space containing no more than two hundred ems; so that the two provisions often come in collision, and produce embarrassment. A general provision defining a legal square distinctly, seems to be desirable.



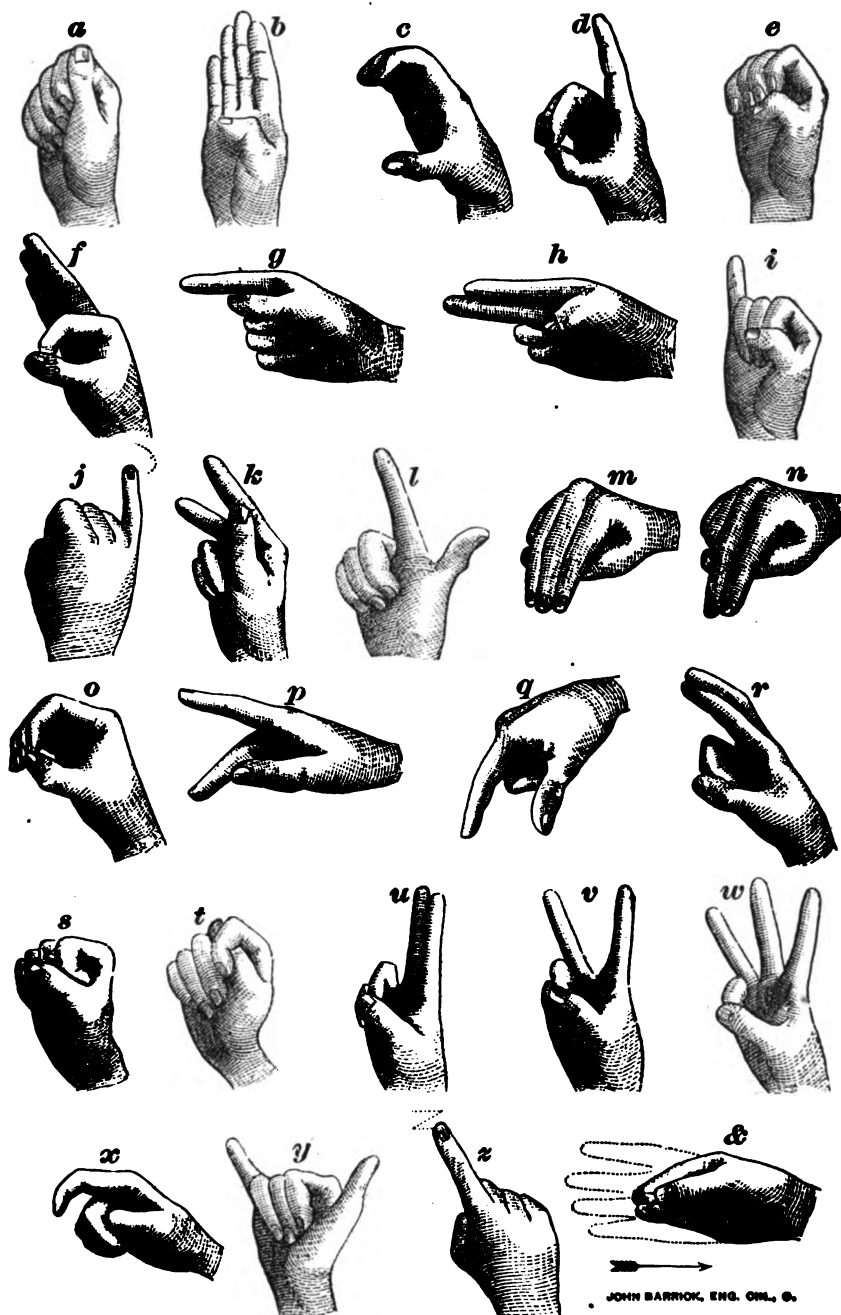
26—EX. Doc. Pt. I.



DESCRIPTION OF THE BUILDING.

The building in the frontispiece nominally one, really consists of seven, suitably connected, and was erected at a cost of \$625,000. It is built of brick, and is elaborately trimmed with lime and sandstone. The roofing is of slate, the cornice of galvanized iron, and the balconies, pillars, railing and floor of iron. The number of bricks required was 8,000,000; the roof cornice is 3,800 feet in length; the gas pipe laid is two miles long; the interior walls and ceilings have a surface of twelve acres, and the floors a surface of four acres. The windows number 800. The front building 270 feet in length, is surmounted by seven towers, the central one being 115 feet high, the two at its side 105 feet, and the four at the corners 97 feet. The center tower has been finished to the top, and, ascending by a spiral staircase, visitors have a magnificent view of the city. This front building is divided by a hall ten feet wide, running its entire length, upon every story, each story above the basement being 15 feet high. The use of this building is for offices, library, museum, hospitals, parlors, sewing and storerooms, and chambers occupied by the teachers, officers and employees, and a part of the pupils. Attached to the front building are three wings, running north, all invisible in the picture. The central wing, 90 by 40 feet, is occupied by the kitchen and adjacent storerooms, the dining room, and a chapel 23 feet in height. The two exterior wings extend north 115 feet, affording a hall the entire length, and adjacent rooms for baggage, clothing, washing, bathing and water-closets. Attached to these exterior wings, and extending at right angles to them, 110 feet east and west, are two wings, 40 feet wide, called the boys' and girls' wings. These are the parts of the building visible at the sides of the picture. The first story is used as a play-room. The second is the sitting or study-room, and is used out of school and work hours. The two upper stories are dormitories. The very fine opportunity for light and air is obvious to the eye. These side wings return by corridors to the central wing, which continues by the bakery and storerooms in the basement, and by corridors in every story, to the school building in the rear. This building, 115 by 55 feet, is invisible in the cut. It is three stories high, and contains twenty school rooms. Still further to the rear is a building 62 feet square, from the corner of which rises the ventilating shaft, 115 feet high, and visible in the cut directly above the girls' wing. This building contains the boilers, engines and pumps used for heating the main building, and for supplying every part with water. This is taken from a flowing well with a capacity of 150 barrels an hour. The second story is occupied by the machinery and appliances of the laundry. At the extreme right of the picture appears the barn of the premises. Between it and the boys' wing appears the east end of the shop building, which is 130 by 35 feet. Its upper story is divided between the printing office and shoe shop. The lower story, with the basement, is used by the State bindery. A weekly journal—the "Mute's Chronicle"—is published in the printing office, and in the bindery is done all the book binding required by the State.

MANUAL ALPHABET FOR THE DEAF AND DUMB.



JOHN BARRYOK, ENG. OHL, &.

FORTY-FIFTH ANNUAL REPORT
OF THE
BOARD OF TRUSTEES AND OFFICERS
OF THE
OHIO INSTITUTION
FOR THE
Education of the Deaf and Dumb,
TO THE
GOVERNOR OF THE STATE OF OHIO,
FOR THE YEAR 1871.

INSTITUTION FOR THE DEAF AND DUMB,
COLUMBUS, OHIO, December 16, 1871.

To His Excellency R. B. HAYES, Governor of Ohio :

I have the honor to present herewith the Forty-fifth Annual Report of the Board of Trustees of the Ohio Institution for the Education of the Deaf and Dumb, with the accompanying papers.

Very Respectfully yours,
SAMUEL GALLOWAY,
Secretary.

BOARD OF TRUSTEES.

KENT, JARVIS, STARK COUNTY, Term expires April 6, 1874.

SAMUEL GALLOWAY, FRANKLIN COUNTY, Term expires April 6, 1872.

H. F. BOOTH, FRANKLIN COUNTY, Term expires April 6, 1873.

OFFICERS OF THE INSTITUTION.

SUPERINTENDENT,
GILBERT O. FAY, M. A.

SCHOOL DEPARTMENT.

INSTRUCTOR OF HIGH CLASS,
CHARLES S. PERRY, M. A.

INSTRUCTORS,

(IN THE ORDER OF THEIR APPOINTMENT.)

PLUMB M. PARK,	HANNAH DAVIS,
ROSWELL H. KINNEY, M. A.,	ROSA O. GILDERSLEEVE,
MATTHEW G. RAFFINGTON,	M. ABBIE HYDE,
JOHN D. H. STEWART,	SARAH NOYES,
LOUISA K. THOMPSON,	GERTRUDE WOOFER,
CASSIE H. SMITH,	ROBERT PATTERSON, B. A.,
MARY C. BIERCE,	JENNIE A. SHROM,
ALFRED H. HUBBELL, B. A.,	RUTH E. HARE,
GEORGE W. HALSE,	MARY L. BRUNDIGE,
	ADALINE T. EVANS.

DOMESTIC DEPARTMENT.

PHYSICIAN,
SAMUEL M. SMITH, M.D.,

STEWARD,
GEORGE W. WAKEFIELD.

MATRON,
MARIA P. WAKEFIELD.

ASSISTANT MATRONS,
SARAH A. MILES,
CHARLOTTE A. BABBITT.

HOUSEKEEPER,
FANNIE C. BROWN.

VISITORS' ATTENDANT,
M. ANNIE BYERS.

DEPARTMENT OF TRADES.

PARLEY P. PRATT.....	MASTER OF SHOE SHOP.
LEWIS L. RICE.....	SUPERVISOR OF STATE PRINTING.
MITCHELL C. LILLEY.....	MASTER OF BOOK BINDERY.
ROBERT R. STEWART.....	MASTER OF PRINTING OFFICE.

REPORT OF THE TRUSTEES.

To His Excellency, R. B. HAYES, Governor of Ohio :

SIR—The Trustees of the Deaf and Dumb Asylum, in presenting their annual report, are gratified that they can congratulate you and the people of Ohio on the eminent prosperity with which it has been blessed during the past year. As this is the last report which will be presented to you as the Chief Executive of Ohio, it is appropriate that we should express our grateful appreciation and remembrance of the interest which you have felt and manifested by word and act in this benevolent enterprise. It certainly would greatly animate all who are industriously laboring for the advancement of the Institution if all State officials would imitate your laudable example. Ohio has been commendably diligent and generous in her beneficent care of this and kindred Institutions. Our people have been abundantly recompensed for their philanthropy, by the great honor which has been bestowed upon us in all parts of the country. It might be regarded as uncourteous and invidious to institute any comparison with similar institutions of other States, and yet it is but just to state, as a proper tribute of merit, that ours is quite the equal in all the elements of greatness and usefulness of any similar Asylum of the United States.

We are fully justified in the statement, that our financial interests have been judiciously and economically administered. Our Steward has exhibited his usual fidelity and integrity in the disbursement of the funds committed to his care and control. His accounts have been rigidly examined, and all vouchers closely inspected, and it is proper to state that the Board has not, at any time, discovered any error in calculation or in his official conduct. This is but merited commendation of a worthy servant.

We earnestly invite the attention of the Legislature to the full and explicit report of our Superintendent. He has industriously and successfully discharged the duties of his responsible and arduous position. He has fully realized our expectations as to his ability and adaptation for the position—and it is proper to state, as a fact within our knowledge, that his devotion and ability have been greatly commended by prominent

men throughout the States engaged in similar labors. Those who are anxious to know the varied operations of the School, will be instructed and gratified by his brief, yet clear and comprehensive report.

The report of our Physician clearly and truthfully exhibits the condition of health and disease during the year. He has been eminently successful, as will appear from his statement, in the treatment of malignant diseases, which have occasionally appeared among the pupils. He has not been sufficiently recompensed for his faithful and arduous labor. The same amount of service, in general practice, would have yielded at least four fold more than the meagre compensation allowed by law. It is due to him, and all who may succeed him, that the law regulating his salary should be so amended as to give him a more liberal salary.

We earnestly request a careful perusal and examination of all the accompanying reports—and all the officers of the Institution would greatly appreciate the honor of a personal visit by the members of the Legislature, that they may fully know and communicate to their constituents our actual condition.

We cordially concur with our Superintendent in recommending an enlargement of our grounds. Our space is too limited to meet the necessities of the health, exercise and comfort of our pupils. With our gradually and rapidly increasing number, an addition will soon become absolutely indispensable. With the rapid expansion of the population of our city, and consequent advance in the price of property, the present is believed to be the most suitable time for a judicious and economical investment to meet the demands of our Institution.

To meet the wants of our Institution for the coming year, the following appropriations, specified in the Superintendent's report, are solicited :

For current expenses.....	\$60,000 00
For salaries.....	17,225 00
Total.....	<u>\$77,225 00</u>

With renewed confidence that liberal and needed legislation will be, in the future, as in the past, readily granted, to advance the welfare of an Institution which confers so brilliant an illustration of the moral grandeur of our people, this report is respectfully submitted.

By order of the Board.

SAM'L GALLOWAY, *Secretary.*

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees :

GENTLEMEN—In presenting to you, as required by law, the Forty-fifth annual report of the history, condition, and wants of the institution committed to your guardianship, abundant reason exists for the grateful recognition of the merciful care of Almighty God. At the presentation of the last annual report the number of pupils was 312. The number now present is 200 males and 138 females, 338 in all, an increase of 26. The whole number for the year has been 388. The number of new pupils received has been 69. Only one death has occurred, that of Mary I. Simmons, a new pupil, thirteen years of age, who died March 5th, 1871. During the greater part of the year the health of the household has been good. Only one serious accident, like a fracture or severe bruise, has occurred. A case of varioloid, in June, awakened our fears, but carefully isolated, it did us no harm. At present we have several cases of typhoid fever, which, from its ordinarily grave character, and also from its infectious tendencies, gives us anxiety for the future as well as the present.* The danger from infection increases with the increase in the number of children drawn from nearly as many homes throughout the State. Epidemics of a lighter or graver character, will doubtless from time to time hover around so large a collection of children, but it is hoped that the superior cleanliness, ventilation and temperature, always attainable, will contribute to their speedy removal. Further details respecting the hygienic condition of the household, are given in the report of our physician, for whose skill, fidelity and care at the bedside of her mute children for many years, the State owes a debt by no means represented by the compensation allowed.

*The disease did not extend, and in January, at the date of printing, not a case existed.

SCHOOL CLASSIFICATION.

The 338 pupils, comprising the household, are classified for school purposes as follows :

	No. of pupils	10th year.	9th year.	8th year.	7th year.	6th year.	5th year.	4th year.	3d year.	2d year.	1st year.	Average time of each class.	Same class last year.	Gain in age.
High class.....	14	1	2	3	3	...	1	3	1	1	...	5.64	5.24	.40
1st ".....	17	...	...	...	3	7	4	3	...	...	...	5.57	4.20	1.37
2d ".....	16	...	...	...	1	4	4	6	1	...	...	3.87	3.14	.73
3d ".....	17	...	...	...	1	2	6	7	...	1	...	3.65	2.80	.85
4th ".....	16	...	...	...	2	2	3	7	...	1	...	3.69	2.66	1.03
5th ".....	16	...	...	...	...	...	...	14	...	2	...	2.75	2.19	.56
6th ".....	17	...	...	...	1	...	...	14	...	...	...	3.06	2.15	.91
7th ".....	21	...	...	...	...	1	1	14	...	1	2	2.67	2.17	.49
8th ".....	17	...	...	...	...	...	...	13	...	...	2	2.53	1.77	.76
9th ".....	20	...	...	...	...	...	...	5	17	...	...	2.25	1.71	.54
10th ".....	19	...	...	...	...	...	...	9	7	3	...	2.21	1.10	1.11
11th ".....	20	...	...	...	...	1	...	2	17	2	...	2.15	1.05	1.10
12th ".....	20	...	...	...	...	...	1	1	7	9	2	1.50	.90	.60
13th ".....	20	...	...	...	...	...	...	2	3	15	...	1.35	.05	1.30
14th ".....	20	...	...	...	...	...	...	...	17	3	...	.85	.31	.54
15th ".....	18	...	...	...	...	...	...	1	2	11	4	1.	.05	.95
16th ".....	15	...	...	...	...	...	...	...	...	15	...	...	...	...
17th ".....	17	...	...	...	...	...	...	...	...	1	16	.06	...	...
18th ".....	18	...	...	...	...	...	...	...	...	...	17	...	...	...
19 classes.....	338	1	2	3	11	17	20	102	57	63	61	2.24	1.97	.27

The number of classes has risen from sixteen to nineteen, containing each of them about eighteen pupils. It is seen that each class has a higher school age than last year, and so the school as a whole. The small number in the higher years is noticable, and the inquiry is suggested, how long do mutes generally remain at school? An answer is given to this question in the following table, collated from our records.

Table showing the length of schooling of all pupils discharged.

When discharged.			1st year.	2d year.	3d year.	4th year.	5th year.	6th year.	7th year.	8th year.	9th year.	10th year.	Average length of schooling.
3	years the legal limit,	1830	2	---	---	---	---	---	---	---	---	---	1
"	"	1831	5	---	---	---	---	---	---	---	---	---	1
"	"	1832	1	---	1	---	---	---	---	---	---	---	2
"	"	1833	3	2	1	1	---	---	---	---	---	---	2
"	"	1834	1	---	1	2	---	---	---	---	---	---	3
5	"	1835	4	3	1	5	4	---	---	---	---	---	3.13
"	"	1836	2	2	1	---	2	1	---	---	---	---	3.10
"	"	1837	6	1	1	3	2	---	---	---	---	---	2.54
"	"	1838	4	1	3	---	6	---	---	---	---	---	3.21
"	"	1839	6	---	3	7	5	---	1	---	---	---	3.45
"	"	1840	4	4	3	2	3	2	---	---	---	---	3.11
"	"	1841	9	3	2	1	3	---	1	---	---	---	2.47
"	"	1842	2	2	---	---	3	3	---	---	---	---	3.33
"	"	1843	3	3	1	3	5	---	---	---	---	---	2.60
"	"	1844	4	2	2	2	4	1	---	---	---	---	3.20
7	"	1845	6	1	2	1	6	1	6	1	---	---	4.00
"	"	1846	4	3	1	1	4	3	4	---	1	1	4.63
"	"	1847	5	2	3	1	4	6	1	---	---	---	3.80
"	"	1848	5	3	4	2	9	2	2	1	1	---	4.10
"	"	1849	6	2	1	1	2	2	1	---	---	---	3.00
"	"	1850	3	5	8	5	5	3	4	---	---	---	3.80
"	"	1851	3	3	3	5	4	2	5	---	---	---	4.20
"	"	1852	6	2	3	6	2	3	3	---	---	---	3.53
"	"	1853	3	2	1	2	3	5	7	1	---	---	4.89
"	"	1854	3	1	2	---	6	5	7	---	---	---	5
"	"	1855	1	3	1	4	5	2	7	2	---	---	5.13
"	"	1856	1	1	3	4	10	2	1	---	---	---	4.30
"	"	1857	4	3	1	5	7	4	9	---	---	---	4.00
"	"	1858	---	2	6	2	8	3	15	---	---	---	5.30
"	"	1859	1	1	5	2	5	3	11	---	---	---	5.21
"	"	1860	1	1	2	6	10	2	13	---	1	---	5.40
"	"	1861	3	1	---	8	13	2	8	2	---	---	4.70
"	"	1862	2	3	2	2	8	1	5	---	---	---	4.45
"	"	1863	2	3	1	2	5	3	3	---	---	---	4.35
"	"	1864	---	4	2	3	12	5	12	---	---	---	5.20
"	"	1865	3	2	4	3	11	5	9	---	---	---	4.83
10	"	1866	3	2	1	3	6	1	10	---	---	---	4.90
"	"	1867	1	4	9	2	5	3	1	---	---	---	3.75
"	"	1868	1	2	---	---	1	---	---	---	---	---	2.50
"	"	1869	10	2	2	1	2	3	5	1	---	---	3.65
"	"	1870	7	6	2	1	2	3	2	---	---	---	2.90
"	"	1871	5	1	9	5	2	---	9	1	2	---	4.60

It appears that from 1830 to 1834, when three years was the legal limit out of 20 discharged only 6, or 30 per cent., reached the limit established by law; that in the period 1835-44, when the legal limit was five years, out of 151 discharged, only 46 or 31 per cent., reached the legal limit; that in the period 1844-65, when seven years was the limit, out of 575 discharged, only 142, or 25 per cent. reached the limit; and that for the period 1866-71, during which ten years have been possible, not a single pupil has remained at school that length of time. From year to year the school age of educated mutes, so-called, has been far below the time allowed. There has been but little disposition to linger at the Institution. On the other hand, pupils and their friends have usually been in haste to return again to the ordinary associations and business of life, too frequently before the merest rudiments of a common education have been gained. Because a pupil can place a few words and sentences upon a page neatly, it is too often assumed that he is already well advanced in an acquaintance with written speech, an illusion which his subsequent efforts to carry on the ordinary conversational intercourse of life and business quickly dispels. It is to be hoped that the pupils who are now at school, and their friends will regard their interests sufficiently, to be induced to avail themselves more fully and for a longer period, of the facilities for education, gratuitously extended to them by the State.

AGE OF PUPILS.

One prominent reason for this incomplete education, has doubtless been the advanced age of the pupil at admission, and so at every subsequent stage of the course. This is very noticeable in the upper classes as represented in the following table of ages. It is also evident by comparing the upper classes with the lower, that the evil is rapidly diminishing.

PRINTING PAPER.

The contracts made by the Secretary of State in July last, for paper for the current year, fix prices considerably lower than those of the last year. For Double Super Royal, the price for 1872 is \$10.94 per ream; last year the price was \$12.23. For Double Flat Cap, or Bill paper, the price for 1872 is \$6.76; last year, \$7.79. For Brochure Cover paper, \$7.96 for 1872; last year, \$8.95. In each case the accepted samples are better than those of the preceding year. A table of bids, and the awards, is given in connection with this Report.

ESTIMATES FOR THE CURRENT YEAR.

For the State Printing, there was at the close of the fiscal year, a balance in the Treasury of \$28,869.79. Of this sum, \$9,207.25 was requisite to close up the business of 1871; leaving a balance of \$19,662.54 applicable for the work of the current year. I calculate that an additional sum of \$15,000 should be appropriated for the work of 1872.

There was a balance of \$3,926.14 for the State Binding, at the close of the fiscal year. The additional sum of \$19,500 is requisite for 1872, without anticipating any increase of work over last year; but that sum includes an estimate of from two to three thousand dollars for the purchase of a steam engine, and fixtures, to take the place of the coloric machine which has heretofore been used, but is now inadequate to the force necessary for all the machinery.

The fund for printing at the D. and D. Asylum was about exhausted at the close of the year. I ask an appropriation of \$1,750 for the current year.

Respectfully submitted,

L. L. RICE,
Supervisor of Public Printing.

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STATE PRINTING.

Statement of the cost for Printing and Paper, for the work executed for the State, for the year 1871.

Names of Documents, &c.	No. of copies.	Printing.	Paper.	Total.
Governor's Annual Message.....	2,600	\$33 89	\$85 91	\$119 80
Report of Secretary of State.....	5,600	615 68	1,494 58	2,110 26
" " " 2d edition.....	5,000	820 90	1,295 89	2,116 79
" Auditor of State.....	2,600	188 54	238 79	427 33
" Comptroller of the Treasury.....	900	36 74	22 83	59 57
" Treasurer of State.....	1,000	28 86	25 11	53 97
" Sinking Fund Commissioners.....	900	9 03	10 60	19 63
" Commissioner of Common Schools.....	18,700	723 76	4,594 21	5,317 97
" Commissioners of State Library.....	1,200	40 29	60 33	100 62
" Supervisor of Public Printing.....	900	37 96	28 94	66 90
" Superintendent of State House.....	900	17 28	16 71	33 99
" Board of Agriculture.....	18,000	1,463 06	10,719 60	12,182 66
" " German.....	2,000	1,533 58	1,174 08	2,707 66
" Railroad Commissioner, Part I.....	2,000	660 76	1,125 16	1,785 92
" " " " II.....	2,000	517 79	628 61	1,146 40
" Geological Board for 1869, 2d edition.....	10,000	1,950 56	1,406 45	3,357 01
" " German.....	2,000	619 20	294 74	913 94
" Insurance Department—Fire.....	1,800	748 66	1,092 53	1,841 19
" " Life.....	1,800	662 97	685 27	1,348 24
" Board of State Charities.....	3,100	112 28	284 89	397 17
" Board of Public Works.....	1,000	49 76	45 29	95 05
" Soldiers' and Sailors' Orphans' Home.....	2,100	79 16	122 80	201 96
" Reform School for Boys.....	2,600	68 79	133 60	202 39
" " Girls.....	1,200	15 14	22 17	37 31
" Ohio Penitentiary.....	2,100	167 29	197 41	364 70
" Institution for the Blind.....	2,100	28 22	66 55	94 77
" Institution for the Deaf and Dumb.....	2,100	53 43	95 90	149 33
" Central Lunatic Asylum.....	1,700	12 74	31 74	44 48
" Northern ".....	1,700	56 18	65 38	121 56
" Southern ".....	1,700	67 21	88 01	155 22
" Longview ".....	1,700	52 29	65 38	117 67
" Idiotic Asylum.....	2,100	43 47	69 00	112 47
" Adjutant General.....	900	34 78	22 73	57 51
" Receipts and Disbursements.....	1,000	156 02	78 31	234 33
" Horticultural Society.....	1,000	55 09	72 20	127 29
" Geological Board for 1870.....	12,500	1,252 89	5,845 94	7,098 83
" Lithographic Maps for Geolog'l Rep.....	87,500	6,732 50	.....	6,732 50
" Wood Engravings for Geological Rep.....	.....	250 00	.....	250 00
" Cases for Geological Report.....	12,500	538 66	.....	538 66
Laws of 1871.....	25,000	593 17	5,515 73	6,108 90
Tax Laws.....	3,000	35 66	100 28	135 94
Insurance Laws.....	200	9 95	3 06	13 01
Executive Documents, Part I.....	2,500	168 92	2,176 94	2,345 86
" " " II.....	2,500	154 76	2,024 46	2,179 22
Senate Journal.....	2,500	834 24	1,858 96	2,693 20
House Journal.....	2,500	1,276 16	3,069 73	4,345 89
Senate Bills, 194 to 385.....	.....	431 67	537 51	969 18
House Bills, 331 to 672.....	.....	949 44	1,203 55	2,152 99
Senate Calendars, Jan. 19 to May 1.....	.....	380 58	25 46	406 04
House Calendars, Jan. 13 to May 1.....	.....	215 55	23 46	239 01
21 Special Legislative Reports.....	.....	172 07	31 70	203 77
Executive Jobs, 1 to 302.....	.....	2,134 67	1,783 07	3,917 74
7 Pamphlets for Board of Equalization.....	.....	516 65	53 18	569 83
Journal, &c., of Board of Equalization.....	2,500	584 95	666 69	1,251 64
In Memoriam—G. I. Young.....	1,500	27 10	70 40	97 50
" Wm. S. Williams.....	1,500	27 79	70 40	98 19
Fare and expenses to Cincinnati.....	.....	15 70	.....	15 70
Repairs, &c., of wagon and dray.....	.....	39 80	.....	39 80
Totals.....		\$29,104 24	\$51,522 22	\$80,626 46

STATE BINDING.

Statement of Payments for State Binding, for the year ending November 15, 1871.

Date.	To whom and on what account paid.	Amount.
1870.		
Nov. 30	Gas Company— Gas for October	\$8 85
30	Gas Company— Gas for November	9 44
Dec. 7	Geo. F. Wheeler— 1 barrel flour	6 00
13	Wm. G. Dunn & Co.— Canvas for packing shavings	12 00
1871.		
Jan. 4	Gas Company— Gas for December	14 75
14	Aston, Taylor & Huff— Bill for hardware	8 10
18	Lockwood & Maguire, Cincinnati— 11 packs gold leaf	79 75
20	Siebert & Lilley— Binding for State Library	175 75
20	Roll for November	866 70
21	Roll for December	739 23
21	A. Knoderer— 527 lbs. glue	121 21
26	J. R. Hoole & Son— Bill for cloth, \$132.00; thread, \$62.70	194 70
31	G. Patton— Ruling ink	8 00
31	Roll for January	794 01
Feb. 2	J. R. Hoole & Son— 10 dozen Law skivers	125 00
6	Geo. F. Wheeler— 1 barrel flour	6 25
16	J. S. Rockwell & Co., New York— 26 dozen bark skivers	325 38
20	Gas Company— Gas for January, \$15.05; bill for repairs, brackets, &c., \$23.60...	38 65
21	L. L. Rice— Expenses to Cincinnati, relative to Geological Report, \$13.90; paid sundry freight bills, \$2.87; express charges, \$5.55; G. W. Cushman for collar and hames, \$3.00	25 32
21	Siebert & Lilley— Sundry jobs ruling, books for Legislature, &c.	237 65
March 1	W. O. Hickok, Harrisburg, Pa.— Tin boards, &c.	50 25
1	Roll for February	608 21
1	Gas Company— Gas for February	12 70
16	McCune, Lonnie & Stoner— Sundries, hardware, &c.	25 93
April 1	Roll for March	584 98
14	Gas Company— Gas for March	21 55
22	Chas. O. Fields— Ruling blank books, &c.	15 66
May 1	L. L. Rice— Paid bills for freight, \$18.16; express charges, \$4.15; drayage, \$3.90; ruling ink, \$4.00	30 21
2	T. Althouse— Grinding knives, &c.	11 85

Statement of Payments for State Binding—Continued.

Date.	To whom and on what account paid.	Amount.
1871		
May	3 Roll for April.....	\$1,032 94
	5 Lockwood & Maguire— 15 packs gold leaf.....	108 75
	5 J. R. Hoole & Son— Cloth, \$525.00; twine, \$24.00; paste brushes, \$11.00; boards, &c., \$63.38.....	623 38
	6 Gas Company— Gas for April.....	12 10
	8 Deaf and Dumb Asylum— Horse keeping from Nov. 15, 1869, to March 15, 1871, 69 weeks, at \$3.00, \$207.00; shafting and pulley for sawing machine, \$25.00; two fire extinguishers, \$90.75.....	322 75
	9 Siebert & Lilley— Binding for State Library, \$168.75; sundries for State binding, \$71.05.....	239 80
	9 Geo. F. Wheeler— 4 bbls. flour.....	28 00
	12 J. R. Hoole & Son— Binder's boards, \$492.87; skivers, \$135.00; thread, \$52.44; morocco, 36.00; pens, \$11.41; agate paper, \$9.00.....	736 72
	12 H. Wilson, N. Y.— 5 packs gold leaf.....	36 25
	16 Braun & Bruck— 10 galls. lard oil.....	15 25
	25 H. A. Gane's Sons & Co., N. Y.— 15 reams spotted marble paper, \$127.50; manilla paper, \$22.25 ..	149 75
	31 Roll for May.....	903 16
June	2 J. R. Hoole & Son— 10 doz. bark skivers.....	270 00
	6 A. Knoderer— 317 lbs. glue.....	72 91
	7 Gas Company— Gas for May.....	8 36
	10 L. L. Rice— Paid bills for freight, \$15.46; drayage, \$3.25.....	18 71
	19 Aston, Taylor & Huff— Copper steam box and kettle, \$21.85; sundries, \$7.65.....	29 50
	22 Noah Bowen— Blacksmith work to date.....	41 47
	28 Lockwood & Maguire— 10 packs gold leaf.....	70 00
	30 Roll for June.....	956 38
July	10 J. R. Hoole & Son— Skivers \$81.50; morocco, \$130.00.....	191 50
	12 Gas Company— Gas for June.....	6 16
	31 Roll for July.....	1,087 22
Aug.	7 Gas Company— Gas for July.....	4 18
	7 J. R. Hoole & Son— Skivers.....	120 00
	9 Samuel & Foster— Sundries—oil, gold, &c.....	38 06
	9 W. G. Dunn & Co.— Canvas for packing shavings.....	8 56
	9 S. E. Samuel— Sundries—oil, sponges, &c.....	5 00
	11 G. F. Wheeler— 2 bbls. flour.....	14 00
	12 T. D. Cassidy— 13 cords wood.....	50

Statement of Payments for State Binding—Continued.

Date.	To whom and on what account paid.	Amount.
1871		
Sept.	1 Roll for August.....	\$720 53
	1 L. L. Rice	
	Paid bills for freight, \$23.28; drayage, \$5.25; canvas for baleing, \$9.50; muslin, 42c.....	38 45
	5 Siebert & Lilley—	
	binding for State Library, \$474.75; sundries for State binding, \$81.85.....	556 60
	5 Gas Company—	
	Gas for August.....	3 52
	11 J. R. Hoole & Son—	
	Binder's boards, \$541.00; cloth, \$507.50; thread, \$34.50.....	1,083 30
	12 R. B. Adams & Co.—	
	Lumber.....	24 73
	13 L. L. Rice—	
	Paid freight bills, \$20.38; drayage, \$4.50.....	24 88
	30 Roll for September.....	777 18
Oct.	5 H. A. Gane's Sons & Co., N. Y.—	
	Skivers, \$55.00; thread, \$24.00; marble paper, \$36.00.....	115 00
	5 J. R. Hoole & Son—	
	Tar boards.....	513 37
	6 Franklin Machine Co.—	
	Repairs &c., of engine.....	27 15
	19 Braun & Bruck—	
	6 galls. oil, \$13.75; brushes, \$2.00.....	15 75
	24 J. S. Morton—	
	Baleing.....	6 57
	24 Lockwood & Maguire—	
	Gold leaf.....	70 00
	31 Roll for October.....	835 85
Nov.	1 Wahl Brothers—	
	1 barrel glue.....	23 60
	1 Gas Company—	
	Gas for September and October.....	18 48
	7 Franklin Machine Co.—	
	Repairs, &c.....	5 70
	10 Lockwood & Maguire—	
	Gold leaf.....	70 00
		\$17,298 10

PRINTING AT THE DEAF AND DUMB ASYLUM.

*Expenditures from the Fund for Printing at the Deaf and Dumb Asylum,
for the year ending November 15, 1871.*

Date.	To whom and on what account paid.	Amount.
1870—Nov. 30	R. R. Stewart, Superintendent— salary for November	\$100 00
Dec. 16	Franklin Type Foundry, Cincinnati— bill for type and rule	21 96
1871—Jan. 3	R. R. Stewart— salary for December, 1870	100 00
Feb. 2	R. R. Stewart— salary for January, 1871	100 00
	28 R. R. Stewart— salary for February	100 00
Mar. 16	McCune, Lonnis & Stoner— latch, screw-driver and snips	5 15
	31 R. R. Stewart— salary for March	100 00
April 1	G. W. Wakefield, Steward— bill for coal	47 51
May 1	R. R. Stewart— salary for April	100 00
	1 L. L. Rice— bill paid for roller, \$2.00; freight, 68c	2 68
	31 R. R. Stewart— salary for May	100 00
June 22	Noah Bowen— repairs of press	2 00
July 5	R. R. Stewart— salary for June, July and August	300 00
	6 Franklin Type Foundry— type, \$6.44; planers, \$2.00	8 44
Sept. 5	Cincinnati Type Foundry— balance on hand press	210 00
	13 Franklin Type Foundry— type, &c	191 05
	13 L. L. Rice— freight, \$2.10; drayage, 50c	2 60
	30 Cincinnati Type Foundry— inking apparatus, roller, &c	50 00
	30 Franklin Type Foundry— bill for type, leads, &c	76 40
	30 R. R. Stewart— salary for September	100 00
Oct. 31	R. R. Stewart— salary for October	100 00
Nov. 13	R. R. Stewart— salary to November 15, 1871	50 00
		\$1,867 79

PAPER FOR THE STATE.

The following are the bids for furnishing Paper for the current year.

No. of Bid.	Name of Bidder.	Mark.	Double Super Royal.	Double Flat Cap.	Brochure Cover.	Remarks.
1	R. H. Waggoner		\$9 44	\$7 24	\$8 74	
	" "		10 94			
2	L. D. Myers	A.	11 60	7 80	8 05	*Awarded.
	" "	B.	10 44	6 76*		
	" "	C.	9 23	5 98		
3	Mead & Nixon	A.	11 31			
	" "	B.	10 15			
	" "	C.	9 93			
	" "	D.	9 23			
	" "	E.	8 85			
	" "	F.	8 55			
	" "	A. A.	12 00			
4	Friend & Fox Paper Co.		8 90			
5	John Siebert	A. S.	11 50			
	" "	B. S.	10 11			
	" "	C. S.	8 70			
	" "	D. S.	10 50			
6	Randall, Aston & Co.	A.	11 17	H. 7 23	S. 7 96*	*Awarded.
	" "	B.	11 07	K. 6 93		
	" "	C.	10 46			
	" "	D.	10 17			
7	Samuel M. Hotchkiss		10 00			
	" "		10 29*			*Awarded.
	" "		11 16			
	" "		11 45			

Extract from the Records in the office of the Secretary of State.

Taking into consideration the *price* and *quality* of the paper as per sample, the contract for furnishing 2,500 reams of Double Super Royal paper was awarded to Samuel M. Hotchkiss, at \$10.29 per ream. The contract for furnishing 200 reams of Double Flat Cap paper was awarded to L. D. Myers, at \$6.76 per ream. And the contract for furnishing 50 reams of Brochure Cover paper was awarded to Randall, Aston & Co., at \$7.96 per ream, sample S.

ISAAC R. SHERWOOD, *Secretary of State.*

ADVERTISING.

Bills paid for Advertising, audited by the Supervisor of Printing, in the year ending November 15, 1871, with the papers advertising, and the funds from which they were paid.

Date.	To whom, and from what fund paid.	Amount.	Total.
1870—Nov. 18	Central Lunatic Asylum Fund—		
	Cincinnati Enquirer		\$12 00
	New Blind Asylum—		
Dec. 11	Ohio State Journal	\$18 00	
	Ohio Statesman	18 00	36 00
	Auditor's Contingent—		
1871—Feb. 14	Columbus Gazette	49 50	
	Ohio State Journal	15 00	
April 13	" " "	3 00	
May 16	" " "	3 00	
Sept. 2	" " "	4 00	
9	" " "	4 00	78 50
	Insurance Department—		
Feb. 8	Ohio State Journal		18 00
	Care of State House—		
April 13	Ohio State Journal	26 20	
13	Ohio Statesman	30 00	
May 24	Westbote	3 50	59 70
	Legislative Apportionment—		
May 6	Ohio Statesman	100 00	
10	Ohio State Journal	100 00	
24	The Westbote	100 00	300 00
	Painting in State House—		
Aug. 7	Ohio Statesman		78 75
	Soldiers' and Sailors' Orphans' Home—		
12	Cleveland Herald	47 50	
12	Cincinnati Commercial	117 00	
Oct. 14	Cincinnati Chronicle	126 00	
21	Cincinnati Gazette	176 00	466 50
	Stationery—		
Aug. 14	Cleveland Herald	91 00	
14	Toledo Blade	40 00	
14	Toledo Commercial	48 00	
Sept. 2	Ohio State Journal	137 25	
4	Cincinnati Chronicle	90 00	
9	Ohio Statesman	54 00	
18	Cincinnati Gazette	144 00	604 25
	Fuel—		
Aug. 14	Cleveland Leader	78 00	
29	Zanesville Courier	60 00	
Sept. 2	Ohio State Journal	48 00	
2	Columbus Dispatch	20 00	
9	Ohio Statesman	106 75	312 75
	Athens Lunatic Asylum—		
Sept. 4	Ohio State Journal		50 00
	Total		\$2,016 45

Table Showing the Actual Ages of the Pupils, and the Average Age of each Class.

Class.	No. of pupils.	AGES.																	Average age of each class.	Same class last Year.				
		30	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10			9	8	7	6
High Class.....	14																						20.27	19.17
" 1st.....	17	1																					19.70	19.25
" 2d.....	16																						18.19	17.52
" 3d.....	17																						18.53	17.75
" 4th.....	16																						18.75	16.77
" 5th.....	16																						15.12	15.00
" 6th.....	17																						16.47	15.96
" 7th.....	21																						15.90	15.41
" 8th.....	17																						15.33	14.77
" 9th.....	20																						15.47	14.71
" 10th.....	19																						15.79	14.60
" 11th.....	20																						14.20	12.60
" 12th.....	20																						13.85	13.00
" 13th.....	20																						12.35	12.84
" 14th.....	20																						11.70	11.94
" 15th.....	18																						12.00	10.70
" 16th.....	15																						11.00	.....
" 17th.....	17																						11.06	.....
" 18th.....	17																						10.23	.....
Totals.....	338	1	1	1	8	4	16	20	20	25	24	28	29	19	36	33	29	30	9	2	1	1	.....	.....

The thirteen pupils admitted under ten years of age are exceptional cases, whose admission seemed necessary from considerations of humanity, so fulfilling the spirit of the law while violating its letter.

COUNTY DISTRIBUTION OF PUPILS AND OF UNEDUCATED MUTES.

The present distribution of our pupils by counties is given in the following table. In a parallel column is given the number of uneducated mutes, amounting to 182, between the ages of ten and twenty, concerning whom we have received information, and who are not at school :

COUNTIES.	At school.	Not at school.	COUNTIES.	At school.	Not at school.
Adams	1	1	Licking	7	1
Allen	2	2	Logan	1	2
Ashland	1	1	Lorain	5	1
Ashtabula	3	1	Lucas	5	0
Athens	4	2	Madison	1	0
Auglaize	0	1	Mahoning	1	2
Belmont	5	3	Marion	7	0
Brown	2	5	Medina	6	0
Butler	10	7	Meigs	3	1
Carroll	0	1	Mercer	0	2
Champaign	0	0	Miami	1	0
Clarke	7	0	Monroe	0	1
Clermont	7	4	Montgomery	10	5
Clinton	1	0	Morgan	3	0
Columbiana	0	1	Morrow	1	1
Coshocton	2	5	Muskingum	4	2
Crawford	3	0	Noble	1	4
Cuyahoga	15	5	Ottawa	2	0
Darke	3	3	Paulding	0	2
Defiance	0	0	Perry	3	2
Delaware	2	1	Pickaway	4	1
Erie	4	2	Pike	2	3
Fairfield	7	1	Portage	2	0
Fayette	0	2	Preble	5	1
Franklin	15	2	Putnam	2	1
Fulton	1	1	Richland	4	6
Gallia	3	2	Ross	3	6
Geauga	1	1	Sandusky	1	0
Greene	3	1	Scioto	7	4
Guernsey	5	3	Seneca	5	5
Hamilton	40	14	Shelby	3	4
Hancock	6	3	Stark	5	2
Hardin	4	1	Summit	9	1
Harrison	2	2	Trumbull	5	3
Henry	0	2	Tuscarawas	4	7
Highland	12	2	Union	4	4
Hocking	0	1	Van Wert	6	1
Holmes	0	0	Vinton	2	1
Huron	3	2	Warren	4	0
Jackson	0	1	Washington	7	3
Jefferson	1	1	Wayne	3	3
Knox	5	1	Williams	1	0
Lake	1	3	Wood	1	3
Lawrence	0	4	Wyandot	5	2

CAUSES OF DEAFNESS.

The whole number of pupils received from the beginning has reached twelve hundred and fifty-two. The alleged causes of their deafness are as follows:

Causes.	No.	Causes.	No.
Not reported	39	Teething	9
Reported unknown	96	Rickets	5
Congenital	423	Erysipelas	5
Scarlet fever	129	Scrofula	5
Brain fever	71	Quinine	4
Spotted fever	38	Smallpox	3
Typhoid fever	23	Paralysis	3
Bilious fever	4	Diphtheria	4
Congestive fever	2	Ague	3
Typhus fever	2	Croup	3
Lung fever	3	Mumps	3
Yellow fever	1	White swelling	2
Catarrhal fever	1	Chicken pox	3
Fever	46	Worms	2
Sickness	99	Dysentery	2
Sores in head	73	Neuralgia	1
Measles	40	Rheumatism	1
Cold	32	Bronchitis	1
Fits	19	Calomel	1
Whooping cough	21	Cruelty	1
Accidents	18	Gout	1
Hydrocephalus	8	Swimming	1

AGE WHEN DEAFNESS OCCURRED.

The alleged age when deafness occurred, in the 1,252 cases referred to, is as follows:

Age not reported	242
Congenital	423
Under 1 year	186
Over 1 year and under 2 years	167
" 2 " 3 "	73
" 3 " 4 "	48
" 4 " 5 "	34
" 5 " 6 "	19
" 6 " 7 "	13
" 7 " 8 "	20
" 8 " 9 "	9
" 9 " 10 "	3
" 10 " 11 "	2
" 11 " 12 "	4
" 12 " 13 "	2
" 13 " 14 "	2
" 14 " 15 "	1
" 15 " 16 "	1
" 16 " 17 "	1
" 17 " 18 "	1

NUMBER OF DEAF MUTES IN OHIO, AND OTHER FACTS.

Through the courtesy of Col. Geo. D. Harrington, of the U. S. Census Bureau, in forwarding to the Institution advance sheets of the ninth census, the following information has been obtained. The whole number of deaf mutes in the United States is 16,205; 96 are also blind; 59 are also insane; 140 are also idiotic; 7 are also blind and insane; 11 are also blind and idiotic.

In Ohio there are 1,339 deaf mutes, 709 males and 630 females. Of this number, 16 only are colored. Of this 1,339, 1,036, or 77 per cent., were born in Ohio; 182, or 14 per cent., were born in other States; 121, or 9 per cent., were born in foreign countries. Of this 21, 50 were born in Germany, and 25 in Great Britain and Ireland. The ratio to the whole population is one mute to 1,988. In 1860 the ratio was one mute to 1,980, nearly the same.

The ages of the 1,339 are as follows :

Unknown.	Under one year.	1-5.	5-10.	10-15.	15-20.	20-30.	30-40.	40-50.	50-60.	60-70.	70-80.	80-90.	Over 90.
1	27	172	245	236	289	151	81	83	35	16	3	....

Experience and obvious reasons indicate that the above numbers are at least not too high. For example, the table gives 199 as under ten years, or 15 per cent. of the whole number. Of our ordinary population, the number under ten is about 30 per cent. Our institution tables show that 90 per cent. of all mutes become so under ten years of age. Therefore the number of mutes under ten, as compared with the whole number, should be at least 27 per cent. of the whole, or nearly twice the number reported. Another fact is obvious; 581 are reported as between ten and twenty. As many as 50 then reach their tenth year annually, and so become admissible to the school. The actual number applying for admission for three years past has been about 70 each year.

OFFICERS.

Our losses have been two. The first was that of Mrs. Westervelt, now Mrs. Whitman, who had filled very acceptably the arduous and trying position of Matron since April 1855, a period of over sixteen years. The second was that of Miss Lathrop who had taught articulation successfully

for one year. She was drawn from us, to our regret, by superior inducements held out by the similar institution in New York City. The Institution was fortunate in securing as Matron, Mrs. Wakefield, who much of the time as an officer, had been familiar with the affairs of the household, since 1856, and has proved herself in every situation efficient and faithful. Mrs. Babbitt, our very efficient housekeeper, of three years past, has been appointed Assistant Matron in the place of Mrs. Wakefield. The place of housekeeper, vacated by Mrs. Babbitt, is now filled, and well, by Miss Fannie Brown, of Hudson, O. The duties of visitors' attendant, so well discharged for one year by Miss Brundige, are now performed with courtesy and fidelity, by Miss Anna Byers of this city. Four names have been added to the list of teachers, Miss Brundige, who has succeeded Miss Lathrop, as the teacher of articulation, Miss Jennie A. Shrom, of Smithville, Wayne county, Miss Ruth E. Hare of Summerfield, Noble county, and Mrs. Adaline T. Evans of Burg Hill, Trumbull county. The last two received their education here, and all are discharging their duties with commendable enthusiasm and diligence. Twelve ladies are now employed as teachers, and without detracting from the merits of our excellent corps of male teachers, eight in number, and needed in the older classes of the school, it is but justice to the ladies to say that they are proving themselves every way equal to the duties of their position.

The distressing accident, which Dec. 23d, 1870, caused the death of Rev. Collins Stone, Principal of the American Asylum, Hartford, Ct. filled this Institution also, the older members of it, with the deepest sorrow. He had been its chief executive officer for eleven years, from 1852 to 1863, and by his energetic and skillful administration had been indirectly influential, even after the termination of his official connection with it, in giving to it its present advanced position. His presence at the first meeting of our alumni last year, when hundreds whom he had instructed gathered around him, as children around a loved and honored father, indicated the real relation which, though not officially recognized, he yet sustained to the mutes of Ohio. To those officers of the Asylum, now in active service, who had grown up under his training his death was a personal affliction. Peace to his ashes.

SCHOOL DEPARTMENT.

The labors of the school-room the past year have been faithfully performed, and satisfactory progress has been made. Instructors have been faithful, pupils have been orderly and studious, and the examinations, semi-annually held, have been well sustained. In June last occurred the first graduation of members of the High Class. These graduates, three

in number, in the fall, presented themselves for admission to the National Deaf Mute College, at Washington, D. C., and after a rigid examination were admitted to the Freshman class, one of the number, James M. Park, receiving the prize offered to that student passing the best examination. This indirect evidence of the comparative success of our school department, is worthy of mention.

In this connection, it is worthy of consideration whether it would not be of advantage to establish departments in the course of instruction, and so graduate, in a measure, the relative progress and standing of the classes. Our course of study extends from the A, B, C, of the new classes to the advanced scientific and classical studies of the high school. These last, taught by a single teacher, are recognized in a grade called the High Class. All below them, the studies of more than nineteen-twentieths of the school, and taught by eighteen teachers, extend nominally through seven years of study, and are undivided by any department lines: In the common schools of the State and the country, where there is compactness of population and a number of instructors, such divisions as primary, intermediate, grammar, scientific (the classification varying with localities), usually exist. Precision, justice and economy, as well as usage, indicate the wisdom of such classification.

Also, whenever a pupil is discharged, a certificate should be given stating the department to which he last belonged. Frequently, the time spent at school is no kind of an indication of the real standing of the pupil. In the absence of any distinctions, mere connection with the institution, however brief, gives color to the assumption that the education which it can impart has been really acquired. If the actual amount of education possessed were definitely known and certified to, at the discharge of any pupil, all uncertainty in the public mind, as to the standing of the mute, and also as to the degree of ability of the institution to educate, would disappear.

DEPARTMENT OF TRADES.

The combined system of school and trades, which has been in operation for three years, or since the occupation of the new house, has worked well in practice. Somewhat experimental in character, it was entered upon three years ago in order to avoid, if possible, two evils, before inherent in the trade department of all large asylums. During school hours, from nine o'clock to four, or from eight to one, as the case may be, the shops are, as the department is usually organized, necessarily empty, and the masters unemployed, unless they busy themselves in preparing work, as the saying is. Again, all necessarily go to the shops together, before or after school, or at both times, and, supposing three trades to be

taught, as is the case with us, the boys, when two hundred in number, the number we actually have, would average over sixty to a shop. No master can give suitable attention to sixty apprentices at one time, however diligently he may prepare for it, or be sure that they are all of them even at work. A shop, if possible, should have its operations prolonged through an ordinary working day, and, in a large institution at least, should receive its complement of pupils, in successive sets, through the day. To secure these ends without detriment to the schools, the following system has been pursued :

The school is divided into three divisions, consisting at present of six, six and seven classes. The day is also divided into three sessions of two, two and three hours, the first extending from half-past seven to half-past nine, the second from half-past ten to half-past twelve, and the third from two to five, with half an hour's recess at half-past three. At half-past seven the regular duties of the day begin. Two divisions go to their respective class-rooms, and the third is distributed, the boys to the trades, and the girls to the bindery and the housework. All are dismissed at half-past nine. At half-past ten, after the Chapel service, two divisions go to their class-rooms and one is distributed as before, the boys to the shops and the girls to the bindery and the housework. All are dismissed at half-past twelve, the hour of dinner. At two o'clock, as before, two divisions go to school, and the third to the trades and the housework. All are dismissed at five. Thus in working hours, from half-past seven in the morning until five in the afternoon, two-thirds of the school are at school and one-third is at work. Every pupil attends school two sessions daily, and works one session. The average daily time spent at school is something less than five hours, and that spent in manual labor is about two hours and a half. To secure a fair distribution of time, and also a desirable variety, the whole system moves forward one session the first day of every month, so that those who work in the morning any month, work the next month in the forenoon, and in the afternoon the month after that. Those who work in the forenoon any month, work in the afternoon the next, and those who work in the afternoon any month, work in the morning the next.

This rotation is so generally understood by the pupils, that, upon the first day of each month, the change to occur has only to be announced without explanation, and all go to their appropriate departments without confusion. The evils, mentioned at the opening of this section, have ceased to exist, and a system of adjusted study and labor has been reduced to practice, which it is hoped, will, in the history of the Institution, prove to be highly beneficial.

IMPROVEMENTS.

Various improvements of minor importance, made during the year require no especial mention. One of decided importance and of great value has been the extension of the dining room thirty-eight feet to the north, by roofing over an adjacent court, and removing the intervening wall. The part added is superior to the original room in some respects, and by the skylights now obtained better light and ventilation are secured. The whole room is now forty feet by one hundred and thirty, and affords sufficient dining space for all the pupils that can be accommodated in the other parts of the building.

The heating of the house, by the extensive and complicated apparatus in use, has been, in the main, satisfactory. One part of the apparatus, however, the boilers, needs complete renewal, at the earliest opportunity. The necessity is imperative, and cannot be postponed, beyond the coming summer. The details of their condition, and plans for the construction and enclosure of new ones will be given to you, if desired. The attention of those committees especially entrusted with the consideration of the interests of the Institution should be called to the subject at an early day. It is hoped that the winter will pass without a catastrophe. The utmost care, however, will be required to avert such an event. No money should be spared, if found necessary to equip that part of the Institution amply and thoroughly.

ENLARGEMENT OF GROUNDS.

The Institution, with its extensive accommodations, is already substantially full, and while, for some years to come, additional numbers can and probably should be received yet many years will not pass before a decided demand will arise for enlargement. The Institution will, and should keep pace with the growth of the State. At that period, not very remote, grounds, indispensable for air, exercise and amusement, and commensurate with the buildings which will then stand upon them will be wanted. Those now occupied, as was stated in my last report are even now much too small. Relief from present inconvenience and prudent provision for future necessity justify and urge the taking of some practical steps towards the extension of our borders to the west and probably to the north, should a favorable opportunity occur for it at any time.

ACKNOWLEDGMENTS.

The Institution has recently received a valuable Postal Map, from the Post Office Department, at the request of the Hon. Samuel Shellabarger.

Advance sheets of the statistics of the Blind, Deaf and Dumb, Insane and Idiotic, as collected for the Ninth United States Census, have been forwarded to the Institution by Col. Geo. D. Harrington.

A beautiful monogram plate, used in printing the last page of the cover of this report, has been given to the Institution by John Barrick, the mute engraver, who by his skill, reflects honor upon his Alma Mater.

Acknowledgments are due to the publishers of the periodicals, elsewhere enumerated, for patting the Institution upon their free list. Particularly to Spaulding N. Ross, Esq., of Cincinnati, for a constant supply of the illustrated papers of the day.

FINANCES.

The cost of the maintenance of the Institution for the year, has been \$71,940.91, divided between the two funds, as follows:

Current expenses	\$55,818 41
Salaries	16,122 50
The actual cost per pupil being	\$221 35

This is believed to be lower than the cost in any other similar institution in the United States.

Thus while the schools has increased	8 per cent.
The current expenses have increased, in the aggregate, only	5 "
And salaries, in the aggregate, have diminished	11 "

Anticipating the coming year a growth in the number of pupils of 8 per cent., as nearly as can now be estimated, the amounts needed for the maintenance of the Institution, will be

For current expenses	\$60,000 00
For salaries	17,225 00

A special additional item of expenditure the coming year, will be the purchase and enclosure of boilers elsewhere referred to.

The Institution is losing nearly a thousand dollars annually, from a source which the law of 1866 was intended to remedy. Through a defect in the statute, the evil intended to be removed remains untouched. The State furnishes board and tuition to all mutes, but requires them or their friends to pay all their incidental expenses. These, small in any one case, make a large sum in the aggregate. In many cases, for various reasons, it is difficult to secure a settlement. To meet this evil, a section of the law of 1866, provides that the auditors of each county shall collect such protested bills when duly certified, and pay the money so collected to the Institution. Upon failure to collect, they are required to pay the bills so

certified from the county funds, the amount to become a county charge. The practical workings of this law is that the money very rarely comes, and so the purpose of the statute is defeated. If the statute could be so amended, as to make it the duty of the auditors of the several counties to pay the bills referred to, when properly certified, upon presentation, and then collect from delinquents of their own counties, at their leisure, the purpose of the law would be secured, and the money in question would return again to the treasury of the Institution.

CONCLUSION.

Thus, briefly, I have reviewed those points concerning the condition and welfare of the Institution, which have seemed to me to be at this time of serious importance, and worthy of your consideration. Assuring you, in closing, of my honest endeavor and that of my associates in care, so to learn the lessons of the past, as best to mould the present character of the Institution, and to provide for its future, I hasten to commend it with all its weighty and manifold interests, to the guiding hand of the Great Father and Sovereign of us all.

Respectfully submitted,

GILBERT O. FAY,
Superintendent.

Ohio Institution for the Deaf and Dumb, Nov. 15, 1871.

PHYSICIAN'S REPORT.

To the Trustees of the Deaf and Dumb Institution :

GENTLEMEN :—During the autumn and winter, 1870–71, this Institution was blessed with good health. Late in the winter, and early in the spring, the diseases induced by a cool and variable temperature, prevailed to some extent, as slight attacks of catarrh, bronchitis, inflammation of throat, a few cases of mild diphtheria, and later three or four cases of severe pneumonia, all of which recovered favorably. But in March, Mary Simmons sickened rapidly, and promptly developed cerebro-spinal meningitis, the so-called spotted fever with its well pronounced symptoms. Upon the 5th of March she died, leaving us anxiously apprehending other cases. This grave visitation we were kindly spared. This fatal attack was the second with which this patient had been visited, the former having caused her deafness four years ago. The statistics of three years past, indicate this as the most frequent source of deafness, when caused by disease.

Later spring and summer passed with only mild cases of intermittent fever, until about the close of the term, when one male pupil was attacked with varioloid, contracted from some unknown source. By seclusion and care, he did not infect the house, by even the mildest modification of the disease, though many had been exposed before it was recognized, proving very satisfactorily the protective power of the thorough vaccination to which our household is subjected. The large number of new pupils received this term, has made its repetition very necessary. This has been very thoroughly and successfully cared for. About the 23d to the 25th of October, a number of patients very simultaneously came down with very similar symptoms, and during that week and the next, we were called to the charge of seventeen cases of well marked typhoid fever, six males and eleven females. At once, a most rigid investigation was set on foot, to ascertain if any local source of disease existed about the premises. The most careful scrutiny revealed nothing to account for such a sudden outbreak. Besides there prevailed in the

household outside of those attacked, no appreciable lowering of the fair standard of health existing. A better regulation and distribution of temperature with corresponding ventilation, more complete than usual, promised that we were entering upon the winter, with the most auspicious surroundings. To this list, three new cases have been added, yet we find up to this date, no local explanation of the origin of the disease.

On inquiry as to the health of families from which the pupils came since the opening of the term, it has been ascertained that the disease existed in two households that furnished pupils. Beyond this, nothing seems to account for its appearance among us.

On the first of November the large Hospitals were opened, and six males and eleven females received into them. To them have since been added one male and two females, there being at present twenty under treatment, and the disease developed in a very unquestionable form. Although so suddenly appearing and so decided in its character, there is no appearance of malignancy in the attacks; hence, with all the favorable surroundings, in well ventilated, and warmed hospitals, faithful attendance and care, we hopefully wait for a favorable issue in all, or at least a large majority of the cases. This record of results must be reserved for another year.

During this term there has been more than the usual number of invalided pupils, a majority of whom have suffered from intermittent and mild diphtheritic attacks. It is not probable that we shall be limited to the present number. As the term of disease of those now in hospital has progressed, eleven cases have revealed complications more or less grave, one cerebral, all the others various degrees of extent of pulmonary inflammation. In one case, to this has been added a severe and alarming hemorrhage of the bowels.

While these implications greatly increase the hazard, they are by no means fatal. Our two larger hospitals have furnished us capacity sufficient for our needs up to this time. If more room, as in a former epidemic, should be needed it could conveniently be furnished in the adjacent rooms. This amount of disease has necessitated an increase of attendance, both nursing and medical. I need not say that the medical attendance, with the urgent requirement of a protective vaccination at this time is more than can be rendered by one physician, without greatly neglecting all other duties and interests.

It has been my duty to serve this Institution through five extensive and severe epidemics invading its household, in all of which I have rendered service largely over the compensation allowed for the year. With no precedent for this in other Institutions, or even in our own State—the State

compensating for extra attendance during prevalence of cholera in the Penitentiary in 1849, at the rate of nearly \$40. per diem to each physician in attendance—I suggest that your Board recommend that the State be released from the position of an eleemosynary, and whoever may, in the future, do this very responsible service may receive a compensation more nearly in accordance with the labors performed.

All of which is most respectfully submitted.

S. M. SMITH,
Physician to D. & D. Inst.

COLUMBUS Nov. 15, 1871.

PERIODICALS.

The following periodicals, for which our thanks are hereby tendered, have been sent to the institution gratuitously the past year. All papers, as soon as received, are placed on standing files, accessible to all, and are read by the pupils with great interest as well as profit.

Name.	Class.	Where published.
Cleveland Herald.....	Daily	Cleveland.
Ohio State Journal.....	"	Columbus.
Ohio Statesman.....	"	"
American Newspaper Reporter.....	Weekly	New York City.
Bucyrus Journal.....	"	Bucyrus.
Cambridge News.....	"	Cambridge.
Canton Repository and Republican.....	"	Canton.
Carroll Union Press.....	"	Carrollton.
Christian Standard.....	"	Cincinnati.
Cleveland Leader.....	"	Cleveland.
Cleveland Sunday Times.....	"	Cleveland.
Columbus Gazette.....	"	Columbus.
Constitutionalist.....	"	Elyria.
Delaware Gazette.....	"	Delaware.
Democratic Mirror.....	"	Marion.
Farmers' and Mechanics' Advocate.....	"	Zanesville.
Herald and Presbyterian.....	"	Cincinnati.
Highland News.....	"	Hillsboro.
Jackson Standard.....	"	Jackson.
Journal and Messenger.....	"	Cincinnati.
Mahoning Register.....	"	Youngstown.
Marion Independent.....	"	Marion.
Massillon American.....	"	Massillon.
McConnellsville Herald.....	"	McConnellsville.
Religious Telescope.....	"	Dayton.
Springfield Republic.....	"	Springfield.
Sunday Morning News.....	"	Columbus.
Wadsworth Enterprise.....	"	Wadsworth.
Weekly Times.....	"	Cincinnati.
Westbote.....	"	Columbus.
Western Christian Advocate.....	"	Cincinnati.
Western Rural.....	"	Chicago, Ill.
Advocate and Family Guardian.....	Semi-monthly	New York City.
Children's Friend.....	"	Dayton.
American Messenger.....	Monthly.....	New York City.
Child's Paper.....	"	New York City.
Deaf Mute Advance.....	"	Jacksonville, Ill.
Deaf Mute Home Circle.....	"	Omaha, Nebraska.
Deaf Mute Pelican.....	"	Baton Rouge, La.
Educational Monthly.....	"	Columbus.
Ladies' Repository.....	"	Cincinnati.
Odd Fellows' Companion.....	"	Columbus.
Silent World.....	"	Washington, D. C.

CATALOGUE OF PUPILS

*In the Ohio Institution for the Deaf and Dumb within the year ending
November 15, 1871.*

[Those not present at the close of the year are starred.]

MALES.

Name.	Post Office.	County.	Admission.
Lewis A. Anthoni	Delaware	Delaware	Sept. 1865
Henry Appleton	Dayton	Montgomery	Sept. 1868
Lewis Badenelle	Wilkesville	Vinton	Dec. 1870
George R. Badgley	Mowrytown	Highland	Sept. 1866
William W. Baker	Millwood	Knox	Sept. 1868
Harry Bard	Portsmouth	Scioto	Sept. 1871
Hiram Bard	Portsmouth	Scioto	Sept. 1868
Henry Bardes	Cincinnati	Hamilton	Sept. 1871
James W. Barnes	Piketon	Pike	Sept. 1864
Frank P. Bartow	Milan	Erie	Sept. 1869
Jacob Baum*	New Philadelphia	Tuscarawas	Sept. 1864
Milton Beam	Waynesville	Warren	Oct. 1868
Finley Beatty	Means	Harrison	Oct. 1868
Newton C. Beatty	Means	Harrison	Oct. 1868
Henry N. Behner	Liverpool	Medina	Sept. 1870
Reuben C. Bice	Dayton	Montgomery	Sept. 1871
George D. Black	Regnier's Mills	Washington	Sept. 1869
Henry J. Blickensderfer	Shanesville	Tuscarawas	Oct. 1869
George Bond	Cleveland	Cuyahoga	Mar. 1871
August Boos	Cincinnati	Hamilton	Sept. 1871
Charles H. Bottenwiser	Cincinnati	Hamilton	Oct. 1869
Henry J. Bove	Hamilton	Butler	Sept. 1869
Frank Bradford	Newark	Licking	Sept. 1865
Bolles A. Brainard	Brooklyn	Cuyahoga	Sept. 1870
Milton Brothers	Minerva	Stark	Sept. 1864
John A. Brown	Gettysburg	Darke	Sept. 1871
Henry P. Bush	Oakley	Hamilton	Sept. 1871
Anthony M. Byrne	Cincinnati	Hamilton	Sept. 1871
John T. Butler	Cardington	Morrow	Oct. 1868
Dennis C. Campbell	Feesburg	Brown	Sept. 1871
John H. Campbell	Hardin	Shelby	Oct. 1869
Eddie R. Carroll	Chagrin Falls	Cuyahoga	Oct. 1866
William W. Chamberlin	Peninsula	Summit	Sept. 1863
Charles Champlin	Cincinnati	Hamilton	Sept. 1871
Charles W. Clime	Inland	Summit	Dec. 1870

Catalogue of Pupils—Continued.

Name.	Post Office.	County.	Admission.
Edward L. Conger.....	Steuben	Huron	Oct. 1868
Warren Cooper	Worthington.....	Franklin	Sept. 1870
Samuel W. Corbet	Bellaire	Belmont	Sept. 1869
Alfred S. Cox	Reed's Mills	Vinton	Sept. 1870
Thomas Crowley.....	Warren	Trumbull	Sept. 1870
Edward J. Curran	Middletown.....	Butler	Sept. 1870
Adelbert B. Davis*.....	Sandusky	Erie	Sept. 1868
Edwin W. Dean	Springfield.....	Clarke	Nov. 1868
William Deed	New Corwine	Highland	Sept. 1871
Samuel Derr*	Louisville	Stark	Oct. 1869
Isaac Dewees.....	Pennsville	Morgan	Sept. 1865
John Dilling	Cincinnati	Hamilton	Sept. 1870
Frank Dowling.....	Cleveland	Cuyahoga	Nov. 1868
Edward Dundan	Columbus	Franklin	Sept. 1868
William A. Eckert	Nevada	Wyandot	Sept. 1868
Jacob Edam	Cleveland	Cuyahoga	Nov. 1869
Jacob Emerling*.....	Akron	Summit	Sept. 1862
Albert V. Enslinger*.....	Gilboa	Putnam	Sept. 1865
Fauntain N. Everhart.....	Williamsburg	Clermont	Sept. 1866
George Faber	McXenia	Ashland	Sept. 1868
John Fahrion	Mallet Creek	Medina	Sept. 1871
George Fancher	Central College	Franklin	Sept. 1862
Adam Faulhaber	Cleveland	Cuyahoga	Sept. 1868
Wellington M. Fisk.....	Relley	Butler	Sept. 1865
James Flood	New Lexington	Perry	Sept. 1868
Peter Flynn	Chambersburg	Montgomery	Sept. 1869
Ernest E. Fox	Springfield.....	Clarke	Sept. 1869
Samuel M. Freeman	Cincinnati	Hamilton	Oct. 1868
Charlie Furry	Kent	Portage	Sept. 1868
Duane Furry	Kent	Portage	Sept. 1868
John H. Fulwider	Harrisonville	Meigs	Sept. 1869
Jacob A. Fulwider	Harrisonville	Meigs	Sept. 1869
Frank Genson	Maumee City	Lucas	Sept. 1870
Milton Gibson	Kimbolton	Guernsey	Dec. 1869
James Gilbert	Cincinnati	Hamilton	Oct. 1870
Hiram N. Gilkison	Mansfield	Richland	Sept. 1869
William L. Glen	McConnelsville	Morgan	Sept. 1864
John G. Grau	Columbus	Franklin	Oct. 1868
Augustus B. Greener.....	Greencastle	Fairfield	Sept. 1866
John Hahn	Cincinnati	Hamilton	Sept. 1870
Russell Hall*	Worthington	Franklin	Sept. 1866
Joseph Hamilton	Lancaster	Fairfield	Sept. 1865
Edson Hammel	Circleville	Pickaway	Sept. 1859
Dennis Hannan	Sandusky	Erie	Sept. 1868
Finley Haskins	Huntington	Lorain	Sept. 1870
James A. Haslam	New Corwine	Highland	Sept. 1865
William E. Haslam	New Corwine	Highland	Sept. 1869
Joseph Hazelton	Iron Point	Perry	Sept. 1870
Manah Heater	Bellevue	Huron	Sept. 1864
Joseph Himelspaugh.....	Mallet Creek	Medina	Sept. 1868
Alonzo J. Hogue	Oxford	Butler	Sept. 1869
Jacob Houser	Etna	Licking	Sept. 1868
Silas W. Hoy	Gahanna	Franklin	Sept. 1869
Lewis L. James.....	Millfield	Athens	Sept. 1860
Ammi P. Jaquays.....	Cuyahoga Falls	Summit	Nov. 1870

Catalogue of Pupils—Continued.

Name.	Post Office.	County.	Admission.
Thomas M. Johnston....	Highland	Highland	Sept. 1871
Ephraim W. Johnston*..	West Salem	Wayne	Sept. 1869
George W. Johnston.....	West Salem	Wayne	Sept. 1869
Frederick L. Keener* ..	Painesville	Lake	Sept. 1866
Joseph Kelly	East Walnut Hills ..	Hamilton	Sept. 1868
Edward T. King.....	Eaton	Preble	Sept. 1869
Ralph King*	Howland	Trumbull	Sept. 1862
Robert King.....	Cincinnati	Hamilton	Sept. 1868
Alonzo Kingry	Pleasant Corners	Franklin	Sept. 1865
Simon Kingry	Pleasant Corners	Franklin	Sept. 1864
George Klein	Chillicothe	Ross	Sept. 1871
William Kleinhaus.....	Youngstown	Mahoning	Sept. 1869
Jacob Kline*	Richwood	Union	Oct. 1868
Michael L. Kline.....	Spring Mills	Richland	Oct. 1868
Charles Koffer	Collinsville	Butler	Sept. 1871
George W. Koffer	Collinsville	Butler	Sept. 1869
Joseph N. Lampean.....	Portsmouth	Scioto	Oct. 1868
John S. Leib	Rich Hill	Knox	Nov. 1870
Joseph W. Leib	Rich Hill	Knox	Sept. 1871
Peter P. Leisz*	Hamilton	Butler	Sept. 1862
Marion M. Littleton* ..	Bellaire	Belmont	Sept. 1862
Winfield S. Lott*	Tiffin	Seneca	Sept. 1861
Richard L/H. Long	Dayton	Montgomery	Sept. 1869
Joseph Luning*	Cincinnati	Hamilton	Sept. 1865
John A. Lynn	Claysville	Guernsey	Sept. 1866
John W. Mackey	Cincinnati	Hamilton	Sept. 1870
James H. Mahaffey.....	Duncansville	Adams	Sept. 1864
William C. Manor	Greenville	Darke	Sept. 1863
George Marion	Marysville	Union	Sept. 1870
John Mayhugh	Harrisonville	Meigs	Nov. 1868
George McCaul	Middletown	Butler	Sept. 1871
Samuel McClannahan* ..	Hallsville	Ross	Sept. 1865
Robert McClave*	New London	Huron	Sept. 1865
Thomas McGinness* ..	Cleveland	Cuyahoga	Sept. 1865
George B. McGowan	Kenton	Hardin	Jan. 1872
George N. McJunkin	Ontario	Richland	Oct. 1868
John McMahon	Dayton	Montgomery	Oct. 1868
William H. McManes	Galion	Crawford	Oct. 1868
David W. McMaster	Chillicothe	Ross	Sept. 1864
William Meek	Cntler Station	Washington	Sept. 1868
William N. Menken	Cincinnati	Hamilton	Sept. 1868
Mathias Mennche	Cleveland	Cuyahoga	Sept. 1865
Fridolin Mettenberger ..	Canal Dover	Tuscarawas	Sept. 1860
Andrew Miller	Piketon	Pike	Sept. 1871
Alfred Monnin	Canton	Stark	Sept. 1863
William E. Morfier	Elmore	Ottawa	Sept. 1869
David Morris	Hubbard	Trumbull	Sept. 1869
Elias Myers*	Lake	Stark	Sept. 1860
Samuel Myers*	Elida	Allen	Sept. 1870
Christopher C. Neuner ..	Circleville	Pickaway	Sept. 1870
David Newhouse	Findlay	Hancock	Sept. 1868
Charles L. Newlove.....	Springfield	Clarke	Sept. 1868
James M. Park*	Columbus	Franklin	Sept. 1864
Toby Patmor	Carthage	Hamilton	Sept. 1868
Judd Pelton	Lindenville	Ashtabula	Sept. 1864
John E. Phillips	Vincent	Washington	Sept. 1871

Catalogue of Pupils—Continued.

Name.	Post Office.	County.	Admission.
Gilbert P. Pittser	Lynchburg	Clinton	Sept. 1866
William A. Point	Delphos	Van Wert	Dec. 1869
Andrew Pott	Akron	Summit	Sept. 1868
Albert C. Powell*	Findlay	Hancock	Sept. 1860
James H. Predmore	Marathon	Clermont	Sept. 1870
David Presho	Leavittsburg	Trumbull	Sept. 1870
Henry Presley	Willoughby	Lake	Oct. 1868
George W. Quirk*	Lancaster	Fairfield	Sept. 1870
James P. Rahrig	Delphos	Van Wert	Sept. 1864
William Raymond	Van Wert	Van Wert	Sept. 1865
Charles H. Rice	Coshocton	Coshocton	June 1870
Charles M. Rice	Milfordton	Knox	Oct. 1866
Frederic Rieker	Cincinnati	Hamilton	Nov. 1869
William Roach*	Richwood	Union	Sept. 1868
Charles A. Robb	Cincinnati	Hamilton	Sept. 1865
Jacob Rode	Kenton	Hardin	Feb. 1871
Clifford A. Rose	Granville	Licking	Sept. 1870
Harry C. Ross	Cincinnati	Hamilton	Feb. 1869
John W. Ross	Montgomery	Hamilton	Sept. 1870
Frederic Ruhm	White House	Lucas	Sept. 1870
Lewis Ruhm	White House	Lucas	Sept. 1870
Joseph B. Russell	North Ridgeville	Lorain	Sept. 1864
John Ryn	Marion	Marion	Sept. 1870
Lester Sauers	Clintonville	Franklin	Sept. 1870
Collins S. Sawhill	Washington	Guernsey	Sept. 1871
Isaac H. Sawhill	Ontario	Richland	Sept. 1870
Albert H. Schory	Minerva	Stark	Sept. 1868
John F. C. Schutte	Cincinnati	Hamilton	Sept. 1871
Edward J. Scott	Carey	Wyandot	Sept. 1868
Francis Sells	East Richland	Belmont	Sept. 1870
Isaac M. Severance	Columbus	Franklin	Sept. 1868
Frank W. Shaw	Steubenville	Jefferson	Sept. 1863
William A. Shoemaker	Hillsboro	Highland	Jan. 1871
David W. Shryock	Zanesville	Muskingum	Sept. 1869
Daniel M. Shuff*	Gallia Furnace	Gallia	Sept. 1870
David Smith	Springfield	Clarke	Sept. 1870
James H. Smith	Dayton	Montgomery	Sept. 1862
Henry S. Smith	Gallipolis	Gallia	Nov. 1868
John C. Snell	York Center	Union	Sept. 1871
William W. Snider	Kirby	Wyandot	Sept. 1868
Nelson I. Snyder	Butlerville	Warren	Sept. 1870
Philip D. Snyder	Tiffin	Seneca	Sept. 1870
Benjamin O. Sprague	Coal Run	Washington	Sept. 1871
Christian Stansberger	Zoar Station	Tuscarawas	Sept. 1866
Jacob W. Stebelton	Stoutsville	Fairfield	Sept. 1869
Samuel C. Stebelton	Stoutsville	Fairfield	Sept. 1868
Willison A. Stebelton	Stoutsville	Fairfield	Nov. 1870
Robert N. Stephenson	Cincinnati	Hamilton	May 1869
Preston L. Stevenson	Yellow Springs	Greene	Sept. 1870
Jesse D. Stewart	Coal Run	Washington	Sept. 1870
Lorin A. Stinemetz	Mt. Vernon	Knox	Nov. 1871
James H. Stodler	Wellington	Lorain	Sept. 1869
John H. Stodler	Wellington	Lorain	Sept. 1869
Charles Straw	Eaton	Preble	Oct. 1869
George W. Surber	Mowrytown	Highland	Sept. 1871
William P. Surber	Mowrytown	Highland	Sept. 1871
Simeon O. Swem	Amelia	Clermont	Sept. 1861
Henry J. Swords	Portsmouth	Scioto	Oct. 1868

Catalogue of Pupils—Continued.

Name.	Post Office.	County.	Admission.
Albert M. Townsend	Van Wert	Van Wert	Sept. 1870
Phillip Thinnies	Lick Run	Hamilton	Sept. 1864
James O. Trask	Columbus Grove	Putnam	Dec. 1870
Davis W. Turner	Marion	Marion	Nov. 1870
John Viets	Cleveland	Cuyahoga	Sept. 1870
Lester D. Wait	Akron	Summit	Sept. 1865
John M. Walters	Thornville	Perry	Sept. 1871
Jacob Weber	Cleveland	Cuyahoga	Sept. 1870
Isaac Whialer	Buffton	Allen	Sept. 1870
Alfred S. Williams	Enreka	Gallia	Sept. 1869
William E. Williams	Camden	Darke	Nov. 1866
Frederic Wilson	Columbus	Franklin	Mar. 1871
Felix J. Woliston	Springfield	Clarke	Oct. 1868
Alfred F. Wood	Dent	Hamilton	Oct. 1866
Charles L. Woofter	New Paris	Preble	Sept. 1869
James M. Woolley	Norwood	Hamilton	Sept. 1871
Joseph Wright	Brookfield	Trumbull	Sept. 1869
William O. Wright	Utica	Licking	Sept. 1868
George W. Young	McConnellsville	Morgan	Oct. 1871
Martin L. Young	Tiffin	Seneca	Sept. 1868
Adam Younker*	Hardin	Shelby	Sept. 1869
Franz Zierold	Kirby	Wyandot	Jan. 1871
Frank Zieser	Tiffin	Seneca	Oct. 1869
FEMALES.			
Florra A. Allen	Spencerville	Allen	Sept. 1871
Charlotte Anderson	Vanlue	Hancock	Sept. 1871
Caroline Bahr	Dumontsville	Fairfield	Oct. 1868
Perlina Baker	Lower Salem	Washington	Oct. 1870
Sarah E. Baldwin	Benton Ridge	Hancock	Sept. 1868
Ivolute Bancroft	Marysville	Union	Sept. 1869
Huldah J. Barber	Cedarville	Greene	Sept. 1869
Mary J. Bard	Portsmouth	Scioto	Sept. 1868
Armintha Bartley	Alma	Ross	Sept. 1869
Mary E. Bear	Van Wert	Van Wert	Sept. 1863
Barbara Bender	Findlay	Hancock	Sept. 1868
Matilda H. Bielefeldt	Akron	Summit	Sept. 1871
Mary L. Boalt	Norwalk	Huron	Sept. 1865
Nancy E. Canaan	Silver Creek	Hardin	Sept. 1869
Martha L. Childs	Big Prairie	Wayne	Sept. 1868
Mary M. Childs	Big Prairie	Wayne	Sept. 1868
Alice Clayton	Findlay	Hancock	Sept. 1870
Franey Clingle	Marion	Marion	Sept. 1869
Lucy M. Cook	Cincinnati	Hamilton	Sept. 1869
Rebecca Coppess*	Dawne	Darke	Sept. 1868
Margaret Cummings	Middletown	Butler	Sept. 1871
Frances O. Davis	Cleveland	Cuyahoga	Sept. 1871
Margaret Davis	Franklin Station	Coshocton	Sept. 1864
Seminer Day	Tiffin	Seneca	Sept. 1868
Mary I. Deeds	New Corwine	Highland	Sept. 1871
Caroline Derick	Columbus	Franklin	Nov. 1868
Eva A. Dickson	Chandlersville	Muskingum	Sept. 1865
Matilda A. Dorris*	Middle Fork	Hooking	Oct. 1868
Laura E. Duffy*	New Carlisle	Clarke	Oct. 1868

Catalogue of Pupils—Continued.

Name.	Post Office.	County.	Admission.
Mary Dundan	Columbus	Franklin	Sept. 1870
Matilda Dye	Troy	Miami	Sept. 1869
Millie Ecker*	West Salem	Wayne	Sept. 1866
Lucy Ewing*	Elyria	Lorain	Sept. 1862
Caroline Feasley	Zanesville	Muskingum	Oct. 1868
Emily L. Ferdig	East Toledo	Lucas	Oct. 1870
Matilda Fenneman	Cincinnati	Hamilton	Sept. 1865
Julia Fesenbeck	Cincinnati	Hamilton	Sept. 1861
Anna E. Fogle	Cuyahoga Falls	Summit	Sept. 1871
Anna C. Fye	Vermillion	Erie	Sept. 1870
Mary Gelhanse	Lick Run	Hamilton	Sept. 1864
Margaret Geminden	Columbus	Franklin	Oct. 1871
Hattie C. Gould	Cincinnati	Hamilton	Sept. 1864
Henrietta Gould	Fulton	Hamilton	Sept. 1868
Emma B. Gray	East Toledo	Lucas	Sept. 1871
Emma J. Grubbs	Vienna	Trumbull	Oct. 1868
Mary E. Guard*	Riverdale	Hamilton	Sept. 1862
Rosa Hahn	Cincinnati	Hamilton	Oct. 1866
Alice Hall	Martinsburg	Knox	Sept. 1865
Nellie Hall	Deerfield	Warren	Oct. 1871
Tacy E. Hall	Barnesville	Belmont	Oct. 1866
Mary L. Hammond	Glencoe	Belmont	Oct. 1868
Ruth Hare*	Summerfield	Noble	Sept. 1862
Amanda M. Harris*	Woodland	Marion	Sept. 1870
Eva Harrison	Claridon	Geauga	Nov. 1870
Nancy M. Hout	Chatfield	Crawford	Oct. 1868
Magdalena Haushalter	Lake	Stark	Sept. 1871
Elizabeth Hawk	Northampton	Clarke	Sept. 1863
Fannie Haycox	East Cleveland	Cuyahoga	Oct. 1866
Alice I. Hazeltine	Oxford	Butler	Sept. 1870
Esther A. Helman*	Polk	Ashland	Oct. 1860
Elizabeth Herrick	Springfield	Clarke	Sept. 1870
Hermine Hertzner	Tiffin	Seneca	Sept. 1868
Eliza E. Heslip*	Linton Mills	Coshocton	Sept. 1869
Maggie Heyl	Columbus	Franklin	Sept. 1871
Hallie N. Holland	West Alexandria	Preble	Jan. 1871
Loretta Houts	Seville	Medina	Sept. 1870
Jennie V. Hubbard	Hartsgrove	Ashtabula	Sept. 1868
Anna B. Huff	Berlinville	Erie	Oct. 1865
Alice J. Hughes	Carthage	Hamilton	Sept. 1871
Annie Humphrey	Cleveland	Cuyahoga	Sept. 1869
Emma Humphrey	Cleveland	Cuyahoga	Sept. 1869
Mary A. Hurdelbrink	Cincinnati	Hamilton	Sept. 1868
Sarah I. Immel	Fremont	Sandusky	Nov. 1869
Mary E. John*	Olive Branch	Clermont	Sept. 1862
Caroline Judy	Raymond's	Union	Sept. 1871
Carrie E. Keney	Oberlin	Lorain	Sept. 1870
Eliza J. Kennedy	Summerfield	Noble	Sept. 1871
Kate Kennedy	Cincinnati	Hamilton	Oct. 1869
Rosanna Kinzley	Upper Sandusky	Wyandot	Oct. 1868
Mary E. Kirk	Georgetown	Brown	Jan. 1871
Amelia Krauss	Cleveland	Cuyahoga	Oct. 1870
Caroline Kuhner	Hales Creek	Scioto	Sept. 1869
Ellen A. Lafever	Dayton	Montgomery	Oct. 1866

Catalogue of Pupils—Continued.

Name.	Post Office.	County.	Date.
Emma LaGrand	Owensville	Clermont	Sept. 1871
Elizabeth I. Laird	Washington	Guernsey	Sept. 1871
Mary A. Lambert	Poplar	Crawford	Sept. 1860
Mary C. Lawrence	Dayton	Montgomery	Sept. 1870
Eudora Lee*	Mansfield	Richland	Sept. 1870
Julia Leonard	Moscow	Clermont	Sept. 1863
Barbara Littleton*	Wood's Landing	Monroe	Sept. 1868
Rhoda Littleton*	Bellaire	Belmont	Sept. 1864
Ollie Lock	Euphemia	Preble	Nov. 1871
Sarah Maloy	Cincinnati	Hamilton	Sept. 1865
Nancy McClain	Jamestown	Greene	Oct. 1868
Sarah E. McCoy	Guilford	Medina	Sept. 1871
Catharine McDaniel	Ashley	Delaware	Sept. 1863
Elizabeth McGuire	Bellefontaine	Logan	Sept. 1868
Elnora Merrill	Austinburg	Ashtabula	Sept. 1871
Elizabeth Metz	Montra	Shelby	Oct. 1868
Lizzie Meyer	Portsmouth	Scioto	Sept. 1868
Caroline Milleman	Perrysburg	Wood	Oct. 1868
Lillie Miller*	Miller's	Lawrence	Sept. 1869
Elizabeth H. Milligan	Becket's Store	Pickaway	Jan. 1872
Eliza J. Moore*	Pisgah	Butler	Sept. 1862
Mary M. Moore	Tarleton	Pickaway	Nov. 1870
Ella B. Morgan	Dayton	Montgomery	Sept. 1871
Catharine Murphy	Carthage	Hamilton	April 1869
Ellen Murphy	Dayton	Montgomery	Sept. 1870
Frederika M. Nestler	Cincinnati	Hamilton	Sept. 1868
Martha Noland	Loramie's	Shelby	Sept. 1863
Harriet S. Null	Gallipolis	Gallia	Nov. 1868
Genevra Payne	Delphos	Van Wert	Sept. 1868
Rachael A. Peters	St. Pauls	Pickaway	Sept. 1865
Mary M. Pickerel	Columbus	Franklin	Dec. 1869
Sarah M. Porter*	Bowling Green	Wood	Sept. 1864
Alice M. Prouty	Columbus	Franklin	Sept. 1869
Charlotte Racer	Marietta	Washington	Sept. 1864
Mary E. Rader*	Xenia	Greene	Sept. 1869
Clara B. Reed	Kenton	Hardin	Mar. 1870
Eliza C. Reid	Cuyahoga Falls	Summit	Oct. 1866
Lonisa Rentchler	Waldo	Marion	Sept. 1868
Alice Richards	Newark	Licking	Sept. 1868
Emma L. Richards	Newark	Licking	Sept. 1870
Mary C. Richards	Loydsville	Belmont	Sept. 1870
Catharine Ringer	Arcadia	Hancock	Sept. 1864
Mary A. Roach*	Richwood	Union	Sept. 1868
Catharine E. Romoer	Prospect	Marion	Sept. 1869
Anne Ryn	Marion	Marion	Sept. 1868
Mary Ryn	Marion	Marion	Sept. 1868
Jessie U. Sawhill	Washington	Guernsey	Sept. 1871
Oriella E. Saylor	Kenton	Hardin	Sept. 1871
Margaret B. Schaefer	Cleveland	Cuyahoga	Sept. 1871
Mary Schwartz	Summit	Summit	Sept. 1868
Alice Sexton	Midway	Madison	Oct. 1868
Mary A. Simmons*	Napoleon	Henry	Sept. 1870
Alice E. Smith	Butlerville	Warren	Sept. 1870
Cora A. Smith	Morenci	Michigan	Sept. 1871
Elizabeth A. Smith	New Philadelphia	Tuscarawas	Oct. 1868
Anna E. Stout	Gilboa	Putnam	Sept. 1868
Mary Straw	Bryan	Williams	Oct. 1869

Catalogue of Pupils—Continued.

Name.	Post Office.	County.	Admission.
Margaret C. Surber.....	Mowrytown	Highland	Sept. 1869
Paulina Surber.....	Mowrytown	Highland	Sept. 1869
Mary A. Sutton.....	Columbus	Franklin	Nov. 1871
Mary J. Sutton.....	High Hill.....	Muskingum.....	Sept. 1868
Anna E. Swem*.....	Amelia	Clermont	Sept. 1862
Mary L. Swem.....	Amelia	Clermont	Sept. 1866
Maria L. Uberschlag	Cincinnati	Hamilton	Oct. 1868
Mary B. Vandegrift.....	New Richmond	Clermont	Sept. 1868
Sarah C. Vanness.....	Reiley	Butler	Sept. 1868
Elizabeth Walker*.....	Preston	Hamilton	Sept. 1866
Martha W. Warren*.....	Burton	Geauga	Dec. 1869
Mary F. Watson	Utica	Licking	Sept. 1864
Mary Weck*.....	Plymouth.....	Richland	Sept. 1868
Christina Weidner.....	Liverpool	Medina	Sept. 1863
Ida E. Weiler.....	North Lawrence.....	Stark	Sept. 1869
Wilhelmina Weinmann.	Cleveland	Cuyahoga	Sept. 1871
Maria L. Willing.....	Coolville	Athens	Sept. 1868
Sarah E. Willing.....	Coolville	Athens	Sept. 1868
Sarah C. Wilson.....	Greenfield	Highland	Sept. 1868
Mary E. Wonder.....	Carey	Wyandot	Sept. 1865
Ida M. Wood	Cincinnati	Hamilton	Oct. 1866
Sarah Woodring	Sciotoville	Scioto	Sept. 1869
Mary L. Woolley.....	Norwood	Hamilton	Sept. 1871

Present November 15, 1870:

Males.....	184
Females.....	128
Total.....	312

Whole number instructed within the year:

Males.....	227
Females	161
Total.....	388

Present November 15, 1871:

Males.....	200
Females	138
Total.....	338

GRADUATES.

1871.

OF THE HIGH CLASS.

ELIAS MYERS,
JAMES M. PARK,
ALBERT C. POWELL.

OF THE REGULAR CLASS.

JACOB EMERLING,
GEORGE FANCHER,
PETER P. LEISZ,
MARION M. LITTLETON,
FRIDOLIN METTENBERGER,
JAMES H. SMITH.

LUCY EWING,
MARY E. GUARD,
RUTH E. HARE,
MARY E. JOHN,
ELIZA J. MOORE,
ANNIE E. SWEM.

REPORT OF THE STEWARD.

To the Board of Trustees:

GENTLEMEN—I herewith present my report of receipts and disbursements for the year ending November, 15th, 1871, with a classified list of the purchases for the Institution during the year :

RECEIPTS.

Balance on hand November, 15, 1870.....		\$888 00
Received from State Treasury,.....		72,122 50
“ pupils	\$2,044 22	
“ shoe shop.....	436 01	
“ for board.....	191 50	
“ stationery	153 70	
“ fire extinguishers.....	136 12	
“ horse keeping	232 00	
“ coal	52 88	
“ horse	55 00	
“ hay	14 02	
“ flour	13 15	
“ old lumber	17 00	
“ cloth	5 73	
“ potatoes, apples and peaches	9 25	
“ sundries	38 91	
	\$3,399 49	
Total receipts.....		\$76,409 99

DISBURSEMENTS.

Groceries and provisions—	
Beef, fresh, 45,457 lbs	\$5,304 81
“ salt, 5,346 lbs.....	384 94
“ dried	82 00
Pork, salt, 10 bbls	250 00
Ham	138 56
Poultry	236 28
Lard	510 34
Butter, 13,762 lbs	3,577 70
Eggs	245 39
Flour, 511 bbls.....	3,508 40
Corn meal	42 20
Hominy	9 75
Sugar.....	1,530 44
Potatoes, 1,132 bushels	909 57
Bread	30 40
Crackers.....	164 54
Molasses	385 78
Rice	41 88
Coffee	534 25
Tea.....	829 80
Milk	857 70
Cheese	77 16
Beans, 54 bushels.....	130 32
Salt	19 23
Apple butter	13 57

Fruit, dried	\$158 29
" canned	5 50
Oysters	44 10
Mustard and spice	80 10
Soap and tallow	391 32
Cider	5 00
Vegetables	583 74
Fruit and berries	286 85
Turnips	22 50
Candles	26 80
Pickles	16 00
Starch	40 00
Apples	534 28
Extracts	23 35
Baking powder and soda	18 71
	<hr/>
	\$22,178 93
Dry goods and clothing—	
Bed blankets	228 60
Crash 700 yds	82 78
Carpets	47 65
Cane matting	166 07
Bed quilts	19 12
Cotton cloth	209 26
Dress goods	31 12
Scarfs and tippets	18 55
Gloves and mitts	42 58
Suspenders	15 25
Collars laces and ribbons	12 26
Flannel	18 56
Calico	116 19
Tweed cloth	41 13
Cambrie	24 95
Bonnets	30 93
Hosiery	87 78
Shirts	19 17
Buttons, pins and needles	31 04
Hats and caps	72 13
Combs	68 83
Thread	40 36
Shoes	112 95
Shoe laces	8 05
Jeans cloth 150 yds	83 65
Making boys clothes	185 75
Cloth for boys clothes	62 82
Coats and Pants	116 25
	<hr/>
	\$2,125 23
House furnishing	
Iron bedsteads	526 25
Crockery ware	229 40
Furniture	786 20
Tubs baskets and pails	41 33
Brooms and brushes	57 75
Table casters	16 00
Coffee urn	26 25
Picture frames	39 45
Tin ware	164 19
Stone ware	21 58
Step ladder	7 50
Cooperage	50 20
Indigo and Bristol brick	17 85
Door keys	28 85
Matches	13 85
	<hr/>
	\$2,084 45
Lighting and heating—	
Gas	2,101 97
Coal, 55,560 bushels	5,932 64
Wood 91½ cords	338 70
	<hr/>
	\$8,423 31

School furniture and stationery—

School furniture.....	\$686 50	
Crayons	15 00	
Paper.....	103 82	
Books	688 15	
Pens, pencils and ink	46 75	
Slates and slate pencils.....	83 75	
Engraving diplomas and electrotype	74 85	
		<hr/> \$1,696 82

Stable—

Hay	225 69	
Straw	132 84	
Oats	206 61	
Corn.....	31 50	
Harness.....	85 05	
Horse.....	300 00	
Horse shoeing.....	39 61	
Repairing carriages.....	77 40	
Wheelbarrow.....	7 50	
Doctoring horse	15 00	
		<hr/> \$1,123 20

Repairs and improvements—

Repairing boilers.....	\$501 82	
Machine work and gas pipe	784 40	
Brick mason work.....	280 81	
Lumber	838 90	
Carpenter labor	919 13	
Plastering.....	235 02	
Gas fixtures	65 55	
Plumbing	388 08	
Eavetroughs	20 60	
Iron bolts	32 24	
Window shutters.....	243 00	
Machine tools	38 50	
Clothes drier.....	130 00	
Radiators	49 00	
Sewer pipe and work	87 69	
Wrought-iron plates	355 40	
Iron castings	268 78	
Hardware and iron	445 90	
Paints and painting	471 99	
Varnish	35 00	
Tin work.....	203 25	
Glass and glazing.....	87 77	
		<hr/> \$6,482 99

Salaries and wages—

Salaries	\$16,122 50	
Wages	10,427 80	
		<hr/> \$26,550 30

Miscellaneous—

Postage	\$310 61	
Express and telegraphing.....	31 19	
Freight and drayage	66 91	
Concentrated lye	161 86	
Stereopticon	323 10	
Hauling sod and team work.....	39 00	
Toll	13 50	
Ice tools and filling ice house	320 59	
Fire extinguishers.....	317 50	
Revenue stamps and exchange	8 83	
Drugs.....	236 67	
Register books and printing	59 00	
Blacking	20 50	
Leather	828 99	
Sponge.....	20 00	
Railroad fares for pupils	506 14	
Care of library	50 00	
Labor.....	30 75	

Coffin for pupil.....	\$17 00
Sawdust and tan bark	15 50
Exhibition of microscope	20 00
Trees, shrubbery and plants.....	28 50
Wire cloth	18 10
American Annals	93 75
Sprinkling street	78 80
Boiler fine cleaner and powder	145 95
Copper rods and gate irons.....	6 15
Paid for boarding pupils.....	120 25
Cash paid pupils	641 53
Dental work for pupils	17 50
Lawn mower.....	125 00
	<hr/> → \$4,673 17

RECAPITULATION.

Balance November 15, 1870.....	\$388 00
Received from Treasury.....	72,122 50
	<hr/>
Total received from Treasury	\$73,010 50

EXPENSES.

All expenditures	\$75,340 40
Received from other sources than State Treasury.....	3,399 49
	<hr/>
Actual expenses.....	\$71,940 91
Balance in my hands, November 15, 1871.....	\$1,069 59

G. W. WAKEFIELD,
Steward Institution for Deaf and Dumb.

*List of Persons employed in the Ohio Institution for the Deaf and Dumb,
November 15, 1871.*

Name.	Occupation.	Resident or non-resident.	Compensation.
Gilbert O. Fay	Superintendent	Resident	\$1,200 per annum.
Plumb M. Park	Instructor	Non-resident	1,000 "
Roswell H. Kinney	"	"	1,500 "
Matthew G. Raffington	"	"	1,000 "
Charles S. Perry	"	"	1,500 "
John D. H. Stewart	"	"	1,000 "
Alfred H. Hubbell	"	"	1,100 "
George W. Halse	"	"	900 "
Robert Patterson	"	"	900 "
Louisa K. Thompson	"	Resident	400 "
Caasia H. Smith	"	"	400 "
Mary C. Bierce	"	"	400 "
Haunah Davis	"	"	400 "
Rosa O. Gildersleeve	"	"	400 "
M. Abbie Hyde	"	"	400 "
Sarah Noyes	"	"	350 "
Gertrude E. Woofter	"	"	350 "
Jennie A. Shrom	"	"	350 "
Ruth E. Hare	"	"	300 "
Mary L. Brundige	"	"	400 "
Adaline T. Evans	"	"	300 "
Samuel M. Smith	Physician	Non-resident	300 "
George W. Wakefield	Steward	Resident	800 "
Maria P. Wakefield	Matron	"	400 "
Sarah A. Miles	Assistant Matron	"	300 "
Charlotte A. Babbitt	"	"	300 "
Fannie Brown	Housekeeper	"	25 per month.
Anna Byers	Visitors' Attendant	"	20 "
Parley P. Pratt	Master of Shoe Shop	Non-resident	900 per annum.
Noah Bowen	Engineer	"	83 33 per mo.
Peter Richards	Assistant Engineer	Resident	50 per month.
David Evans	Fireman	"	30 "
Evan Tiller	"	"	25 "
Robert Howell	Baker	"	45 "
Libbie Cutshaw	Assistant Baker	"	12 "
Frederic Wheeldon	Supervisor	"	50 "
John Hanlon	Gardener	Non-resident	50 "
William Keene	Carpenter	Resident	50 "
William H. Williams	Attendant	"	30 "
Phillip Williams	"	"	30 "
Robert Williams	"	"	30 "
Ezekiel Hughes	Kitchen-man	"	25 "
John Taffe	Laundry-man	"	28 "
John Hoffman	Hostler	"	30 "
William Evans	Laborer	"	25 "
Jenkins Davis	Night Watch	"	30 "
Belinda Maginnis	Dressmaker	"	15 "
Jane E. Henion	Cook	"	14 "
Mary Ryan	"	"	14 "
Mary Bowen	"	"	12 "
Mary Sullivan	Washer	"	12 "
Mary E. Reynolds	"	"	12 "
Margaret Sullivan	Laundress	"	12 "
Mary Gillivan	"	"	12 "
Louisa Barrett	"	"	14 "
Carrie Wieler	"	"	12 "
Maggie Markley	Dining-room	"	11 "
Barbara Markley	"	"	11 "
Lizzie Markley	"	"	11 "

List of Persons employed—Continued.

Name.	Occupation.	Resident or non-resident.	Compensation.
Anna Markley	Dining-room	Resident	\$11 per month.
Jane Tunstead	Chamber-work	"	11 "
Katie Corbin	"	"	11 "
Margaret Whiston	"	"	11 "
Rachel P. Evans	"	"	11 "
Ruth Talbot	Nurse	"	11 "
Sarah B. Williamson	Seamstress	"	11 "
Julia B. Carroll	Doorkeeper	"	8 "

TERMS OF ADMISSION.

1. No charge is made for pupils from this State, except for clothing and traveling expenses.

2. Applicants must be between the ages of ten and twenty years free from immoralities of conduct, and from contagious and offensive diseases.

3. Application for admission should be made to the Superintendent of the Institution.

4. The session commences on the second Wednesday in September, and closes on the third Wednesday of June. The proper time for admission is at the commencement of the session, and no pupils will be received at any other time, except in extraordinary cases.

5. The regular course of instruction occupies seven years, and it is expected that all who enter the Institution will remain for this period, unless providentially prevented. No pupil can be removed from the Institution during the progress of a session, without the permission of the Superintendent and Board of Trustees. The pupils are not permitted to go home at the Holidays.

6. Parents and guardians will be duly notified of the day on which the school closes, that they may make arrangements for conveying their children home. Except in cases of sickness, pupils can not be permitted to leave before the specified time. The frequency with which arrangements are made for pupils to leave a few days before the close of the school, renders it necessary, to prevent disappointment, to direct special attention to this rule.

7. Parents and guardians are required to provide their children with sufficient and suitable clothing while they remain at the Institution. Every article should be marked with the full name of its owner. A sum of money, not less than five dollars, should be deposited with the Steward for incidental expenses.

8. Pupils are expected to spend the vacation at home, or with their friends. This arrangement is as desirable for the health of the pupils, which will be promoted by a change of air and exercise, as for the convenience of the Institution.

In the case of each pupil who enters the Institution, it is desirable to obtain a written statement embracing the following particulars:

1. The name of the pupil in full.

2. The year, month and day of his birth.

3. The cause of deafness. If not born deaf, at what age and from what cause did he become so?

4. Is the deafness total or partial? If the latter, what is the degree of hearing? Is it of any practical benefit to him in his intercourse with others?

5. The natural capacity. Is it bright and active, or idiotic?

6. Has the child had the small-pox, scarlet fever, measles, mumps, or whooping cough? Has he been vaccinated?

7. Were the parents related before marriage? If so, in what manner?

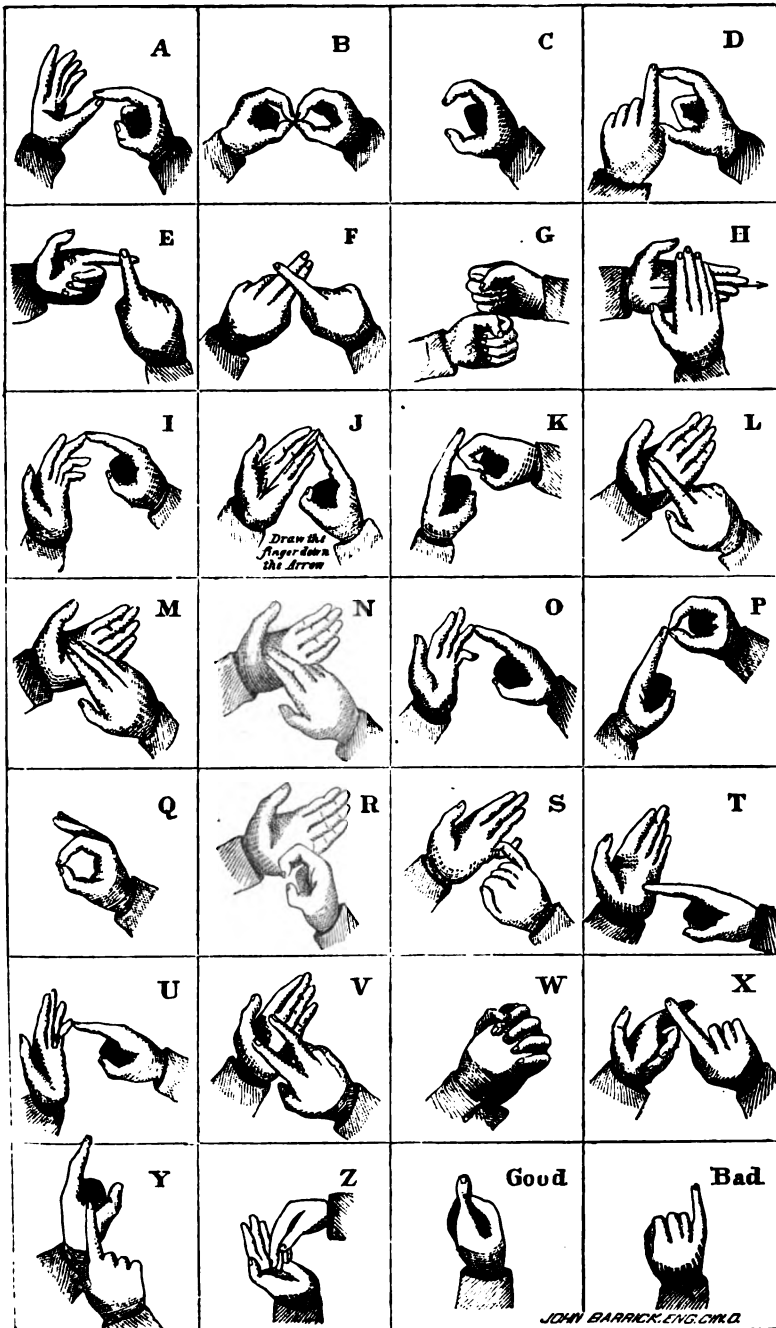
8. Are there any persons in the family connection entirely or partially deaf? If so, at what age and from what cause did they become so?

9. The names, residences, and post-office address of the parents.

10. The number and names of the children.

A blank form will be furnished by the Superintendent with the above questions conveniently arranged for answering.

DOUBLE-HAND ALPHABET.



ANNUAL REPORT
OF THE
DIRECTORS AND WARDEN.
OF THE
OHIO PENITENTIARY
TO THE
GOVERNOR OF THE STATE OF OHIO,
FOR THE YEAR 1871.

29—Ex. Doc. Pt. I.

ROLL OF OFFICERS AND GUARDS.

DIRECTORS.

1. James L. Bates, President Columbus, O.
2. George Harsh Massillon, O.
3. Stanley Mathews Cincinnati, O.

OFFICERS.

1. Raymond Burr Warden.
2. James A. Dean Deputy Warden.
3. O. H. Newton Chaplain.
4. C. V. Hamer Clerk.
5. J. W. Gillies Assistant Clerk.
6. R. A. McIntire Steward.
7. Norman Gay Physician.
8. Geo. Cunningham Captain of the Night-Watch.
9. H. A. Clark Superintendent of Hospital.
10. Wm. Arnold " Kitchen.
11. S. S. Deselle " State Shops.
12. C. A. Barker " Yard.

GUARDS.

1. Jacob Haering In charge of Guard Room.
2. Samuel Boyle Plate Shop.
- Geo. Brodrick Butt Shop No. 2.
4. B. W. Botsford Wall.
5. A. Baldwin Shaft Shop.
6. Samuel Crane Machine Shop.
7. John Crane West Hall (Night).
8. M. Cunningham East " "
9. C. W. Cram Hospital "
10. B. W. Curtis Hame Shop.
11. John A. F. Cellar East and Middle Hall.
12. Fredk. Decker Yard (Night).
13. Wm. Dean S. E. Gate.
14. James A. Dean, Jr. Chair Shop.
15. R. S. Duden Visitors' Conductor,
16. O. P. Duval Shoe Shop.
17. Danl. Dougherty S. W. Gate.
18. W. F. Everett Turn Shop.
19. Danl. Fitzwater State "
20. H. A. Farmer Butt " No. 1.
21. Frank Griffith Plane "
22. Charles Glass Foundry No. 1.
23. T. D. Groves Buckle Shop.

24. A. H. Goodwin.....	Guard Room (Night).
25. Wm. Ginder	Hoe Shop.
26. C. W. Hudson	N. W. Gate.
27. David Hicks	Finishing Shop.
28. John D. Jones	Spoke Shop.
29. R. D. Jones	Plow “
30. Geo. W. Johnson.....	Hoe “
31. Dennis Kelly.....	Body “
32. M. A. Lilley	Lodge Gate.
33. Sarah Lewis	Female Department.
34. O. B. McAdams	Brush Shop.
35. E. B. Marshall	Wall.
36. Lomis Morgan	L. Snath Shop.
37. W. W. Jones	U. Snath “
38. W. Newton	Chaplain's Office.
39. Samuel Saylor	West Hall.
40. L. Kilbourne.....	Asylum (Night).
41. John Nelson	Yard.
42. W. A. Overholser ..	Rake Shop.
43. T. J. Outcalt.....	Wall.
44. A. J. Outcalt	Toy Shop.
45. T. C. Platt.....	Brush Shop.
46. Jabez Pritchard ..	Wall.
47. Geo. W. Roby.....	Yard.
48. James R. Spencer ..	Asylum.
49. W. M. Smith.....	Cooper Shop.
50. John Scheaf	Yard.
51. E. B. Slaughter	Brush Shop.
52. Mary Syler	Female Department.
53. H. M. Thompson	Pol. Plane Shop.
54. Cyrus Tufts.....	State.
55. James S. Tufts	Plane-Grinding Shop.
56. John W. Ulem	M. Hall (Night).
57. John Q. Vincent	Wheel Shop.
58. Amos Vincent.....	Blacksmith Shop.
59. Jesse E. Watson	Wire Mill.
60. Ed. West	Butt Shop No. 3.

LAW GOVERNING THE PENITENTIARY.

AN ACT to regulate and govern the Ohio Penitentiary,
passed April 1, 1867.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That for the government and management of the Ohio Penitentiary, there shall be appointed by the governor, by and with the advice and consent of the Senate, on or before the first day of April, A. D. 1867, three directors, one of whom shall hold his office until the first of February, 1868; one until the first of February 1870; and one until the first of February 1872, and until their successors are appointed and qualified, and in the month of January, 1868, and in the same month biennially thereafter, he shall appoint, by and with the like advice and consent, one director, who shall hold his office for the period of six years, and until his successor is appointed and qualified. Each director, before he enters upon the duties of his office, shall take and subscribe an oath of office, which shall be endorsed on his commission.

Appointment
of directors:

—(their term
office.

SEC. 2. Said directors shall at their first meeting, after the taking effect of this act, at their meeting in February, 1868, and biennially at their meeting in February thereafter, elect one of their number president of the board.

—Elect a president of the board.

SEC. 3. A majority of the board shall constitute a quorum for the transaction of business, and no order of the board shall be valid unless it is entered on its journal and is concurred in by two members.

SEC. 4. It shall be the duty of the directors—

1st. To prescribe rules and regulations for the government of the prison, specifying the duties of all its officers, and to revise and change the same, from time to time, as circumstances may require; at least two of said directors shall visit the prison in company, on the first Tuesday of each month, and examine all the different departments, and audit all claims against it. The directors shall order an inspection of the prison by one of their number, at least once in each month, between the monthly meetings.

General duties
of the directors.

2d. All of the directors shall meet at the penitentiary on the first Tuesday of February, May, August and November, and in addition to the duties above described, examine the books and accounts of the clerk and steward.

3d. To enter on their journal the result of all examinations, whether by a full board or a portion thereof, and all other official acts, which shall be signed by the members present.

4th. On or before the fifteenth of November in each year, to report to the governor the condition of the prison, together with a detailed statement of its receipts and expenditures, and such suggestions as its interests may require.

—appointment
of warden.

SEC. 5. The directors shall appoint a warden, who shall take and subscribe an oath or affirmation faithfully to discharge the duties of his office, and enter into a bond to the state of Ohio in the sum of ten thousand dollars, with two good and sufficient freehold sureties, to be approved by the directors, and the attorney general of the state, conditioned for the faithful performance of the duties which may devolve upon him as such officer, and shall hold his office for the period of two years from and after the first day of April next after his appointment, unless sooner removed by the directors.

—his residence.

SEC. 6. The warden shall reside in the penitentiary, in apartments to be assigned to him by the directors, and to be furnished at the expense of the state in a plain and substantial manner, under the direction and supervision of the directors; and it shall be his duty—

—his general
duties.

1st. To carefully supervise the government, discipline and police of the prison.

2d. To give all necessary directions to the inferior officers and guards, and secure a careful and diligent discharge of their several duties.

3d. To examine daily into the state of the prison, and the health, condition and safety of the convicts.

4th. To report to the directors, at each quarterly meeting, the number of guards employed, their names and duties, and such other matters as may be required.

5th. And generally to have charge of all the departments of the prison and its officers as its executive head.

Officers ap-
pointed by the
board.
—by warden.

SEC. 7. The board shall appoint a clerk, a steward, a physician, a chaplain, and when business requires it, an assistant clerk. And the warden, by and with the advice and consent of the board, shall appoint a deputy warden, and the warden shall appoint superintendents of the yard, kitchen, state shops and hospital, a captain of the night watch, and as many guards as may be necessary, subject to the right of the board at any time to order the number increased or diminished. All persons so appointed shall take an oath of office, and, except the female guards, enter into a bond to the state, with sureties to the satisfaction of the board, that they will faithfully discharge the duties which devolve upon them; the deputy warden and clerk in the sum of three thousand dollars each, the steward in the sum of five thousand dollars, the assistant clerk in the sum of one thousand dollars, the superintendents and captain of the night watch, each in the sum of six hundred dollars, and the guards each in the sum of five hundred dollars. Each of said persons shall discharge the duties pertaining to his position under the direction of the warden, and in pursuance of the rules and regulations of the board and of this act. All officers appointed under the provisions of this section, shall hold their offices for the

Term of office.

period of two years, unless sooner removed, as provided in section thirteen.

SEC. 8. The clerk shall keep the accounts of the prison in such a manner as to exhibit clearly all the financial transactions relating to it. He shall also keep a register of convicts, in which shall be entered the name of each convict, the crime of which he is convicted, the date of his conviction, period of sentence, from what county, by what court sentenced, his nativity, an accurate description of his person, and, if known, whether he has been previously confined in a penitentiary in this or any other state, and when and how he is discharged. The clerk shall also act as secretary of the board.

Duties of clerk.

SEC. 9. In addition to the duties which may be prescribed by the board, the deputy warden shall, in the absence or disability of the warden, or in case of his death, resignation or removal, discharge all the duties of that office.

Duties of deputy warden.

SEC. 10. The steward shall purchase all the forage, fuel and lights, and all supplies for the kitchen and hospital, and all articles for manufacturing and repairs in the state shops, and make all sales for the penitentiary, under the written orders and direction of the warden, and subject to such rules and regulations as the board may prescribe. He shall file and preserve all such orders and directions, and keep a full and accurate account of all purchases and sales made by him, in books to be furnished for that purpose, and which shall be open at all times to the inspection of the warden or the board, or any member thereof. All other articles and supplies shall be purchased by order and under the direction of the board.

Duties of steward.

SEC. 11. A director shall not be appointed to any other office under this law, during the period for which he was appointed such director.

SEC. 12. No person shall be appointed to any office or be employed in the penitentiary on behalf of the state, who is a contractor, or the agent or employee of a contractor, or who is interested directly or indirectly in any business carried on therein, and should any officer or employe become such contractor, his agent or employe, or interested in such business, it shall be cause for his removal; and no person who is not a citizen of Ohio, shall be appointed by the warden, a guard or a superintendent of a shop or kitchen, or captain of the night watch, or who is less than twenty-one years of age; nor shall any person be appointed to office or employed by virtue of this act, who is in the habit of using intoxicating liquors; and a single act of intoxication shall justify a removal or discharge.

No contractor can be appointed as officer.

Who may be appointed as guards.

SEC. 13. Any officer appointed by the warden and board of directors, or by the latter, may be removed for delinquency in the discharge of his duty, misconduct in office, or any other cause which materially affects his usefulness or fidelity; and any officer or employe appointed by the warden may be suspended for either of the same causes. In all cases of removal or suspension, the cause thereof shall be fully stated in writing. If it is an officer appointed or approved by the board, it shall be entered at large on their journal; and if it be a suspension by the warden, it shall

Removals and suspensions.

be presented to the board at their next meeting thereafter, and if the suspension is approved the officer or employe shall be discharged, and if not he shall be reinstated; and in the latter case the board may, in their discretion, order that he shall receive his pay during the time of such suspension.

When offices
become vacated
—how filled.

SEC. 14. If the office of director shall become vacated by death, or resignation, or other cause, the vacancy shall be filled for the unexpired term by the governor, subject to the approval of the senate, if in session, and if it is not, subject to its approval at its first session thereafter. If any office becomes vacated in any manner, which is filled by the warden and directors, or either of them, the vacancy shall be filled in the same manner as appointments are made.

Compensation
of officers and
guards.

SEC. 15. The officers and employes shall receive the following compensation, to wit: The directors, in addition to their necessary traveling expenses, shall be paid the sum of five dollars per day for the time necessarily employed in the discharge of their official duties; the warden two thousand dollars each year; the deputy warden eighteen hundred dollars each year; the clerk fifteen hundred dollars each year; the assistant clerk, in the discretion of the board, not exceeding one thousand dollars each year; the steward fifteen hundred dollars each year; the physician one thousand dollars each year; the chaplain fifteen hundred dollars each year; the superintendents of the yard, kitchen, state shops and hospital, and officer in charge of the guard room, seventy-five dollars each per calendar month; the captain of the night-watch one hundred dollars per calendar month; the male guards sixty-five dollars, and the female guards fifty dollars each per calendar month. The directors shall be paid quarterly, and the other officers and employes monthly, out of the Treasury of the State, on the warrant of the auditor.

How money
drawn from
treasury.

SEC. 16. No money shall be drawn from the treasury except upon accounts duly certified by the warden and approved by two directors. A triplicate of every such account shall be filed with the clerk.

All money from
sales by steward
to be paid
to warden.

SEC. 17. No money shall be paid to the steward for or on account of any claim due the penitentiary for sales made by him, or other acts of his; all money so due shall be paid to the warden. Duplicate accounts shall be made out by the steward, one to be retained by him and the other certified to the warden. When the amount is paid to the warden he shall receipt the account, and it shall be properly entered on the books by the clerk, and payment to the warden shall alone discharge such liability.

Visitors.

SEC. 18. Visitors may be charged a reasonable sum for going through the prison, which sum shall be prescribed by the board. The warden shall procure suitable tickets, which shall be sold by the clerk, who shall keep an account of such sales, and pay over the money to the warden daily. The guard at the door of the guard-room shall receive the tickets and also keep an account of them in a book as they are received, and return them to the clerk each day before the prison is closed.

SEC. 19. All other revenues, except as herein otherwise provided, shall be paid to the warden.

SEC. 20. The warden shall balance his cash account each month, and report the same to the board, if in session, or at their first meeting thereafter, and on the fifth week day of each month pay into the treasury so much as is, in the opinion of the board, not required for the current use of the penitentiary.

SEC. 21. In order to provide for hard labor by each convict according to his sentence, the directors are hereby authorized and required to let and hire the labor of the convicts upon such branches of business, and for the manufacture of such articles as, in their judgment, will best accomplish that end and subserve the interests of the state, which letting and hiring shall be as follows :

Hiring or letting of convicts.

1st. The letting shall be advertised by the warden in two of the newspapers published in Columbus, and one in each of the cities of Cleveland and Cincinnati, once a week for at least four weeks, and by such further notice as the board may direct. The advertisement shall specify the number of men to be let, the length of time, which shall not exceed five years, and the last day on which bids will be received.

Manner of letting.

2d. The board may, in their discretion, designate what articles or class of articles shall be manufactured.

3d. Each bidder may separately state in his bid what he will give for the labor bid for, with or without the exclusive right to manufacture the articles specified.

4th. Each bid shall specify each article proposed to be manufactured, and the number of square feet of shop room which will be required.

5th. Each bid shall be unconditional.

6th. The price per day for each convict shall be specified, and if a different price per day is stated for different periods, each period and its price must be so stated, that one may be accepted and the others rejected ; provided that no bid shall be received, nor any contract made, nor shall the labor of said convicts, excepting, always, the labor of cripples, females and minors, and those disabled by disease or old age, be temporarily hired at a less rate than seventy cents per day.

7th. If the person bidding desires to manufacture different classes of articles, the labor to be employed on each class must be bid for separately.

8th. Each bid shall be accompanied by a bond, with sureties to the satisfaction of the board that the bidder will comply with the terms of his bid, if it is accepted, and sealed up and addressed to the warden.

9th. The bids shall be opened by the board at their next meeting, whether monthly or quarterly, after the last day specified for receiving the bids, and the labor shall be awarded to the highest bidder or bidders, subject to the following regulations :

(a) As between bids which are for substantially the same price, the board may, in its discretion, give a preference to the one which, in their judgment, will best promote the interests of the state.

Manner of making awards.

(b) As between bids by the same party, one with and the other without the exclusive right to manufacture, the board may accept either.

(c) The board may reject all the bids, if they are for less than a fair and reasonable price for the labor bid for, and the board shall not be required, in any case, to apportion the labor advertised among the bidders, or any number of them.

(d) Any bid may be rejected, if it is against the interest of the state, or the welfare of the convicts, that the articles specified should be manufactured in the prison.

10th. When a bid is accepted and labor is awarded to the bidder, the directors, on the part of the State, and the bidder, shall enter into a contract in pursuance of the bid; and such bidder shall also procure a bond, to be executed to the satisfaction of the board, conditioned for the faithful performance of the contract on his part, a blank form of which contract and bond shall be deposited and remain with the clerk for inspection during the time of the advertisement.

11th. The board may give to a bidder, after he shall have entered into a contract, a reasonable time to procure machinery and make preparations for manufacturing, not exceeding sixty days from the acceptance of the bid.

12th. If a contract is made for the exclusive right of manufacturing the articles therein named, all contracts made subsequently by the same party, and within the same period, and for the manufacture of the same articles, or any of them, shall terminate at the same time with the first contract.

13th. If any contractor shall not manufacture one or more articles specified in his contract, the board may give him three months notice to manufacture them, and on failure of the contractor to do so within that period, the right to manufacture them shall cease and determine.

SEC. 22. The convicts shall labor for the contractors an average of ten hours a day during the year, Sundays excepted.

Payments by
contractors.

SEC. 23. On or before the fifth week day of each month the clerk shall make out, and the warden certify and deliver to the auditor of state, a statement of the amount due from each contractor for the preceding calendar month, and within five days thereafter each contractor shall, in the ordinary mode prescribed by law, pay the amount due into the treasury; provided, a credit of three months may, at the discretion of the board, be allowed to the several contractors; and provided further, that within the time aforesaid, in the month of November in each year, payment in full for the previous year shall be made.

SEC. 24. It shall be the duty of the board to keep as many men constantly employed on contracts as the interests of the state will permit.

SEC. 25. All convicts not employed on contracts may be employed by the directors and warden in the performance of work for the state or temporarily hired, which hiring shall terminate whenever their labor is required on any contract.

Convicts em-
ployed to manu-
facture articles
for the prison.

SEC. 26. The warden, under the direction of the board, may employ a portion of the convicts in the manufacture and repair of any articles used by the state, in carrying on the

penitentiary. He may also procure machinery and prepare shop room for that purpose, and employ such persons as may be necessary to instruct the convicts in such manufacture. If such persons are employed, the terms of employment shall be fixed and determined by the board.

SEC. 27. A sufficient number of convicts may be hired by the warden for domestics, on terms to be agreed upon by him and the board; but no superintendent of the kitchen, state shops, captain of the watch, or male guard, shall board in the institution. In the discretion of the board, the matron and female guards may be permitted to board themselves in the female prison apartment. No officer shall be required to board in the institution except the warden. The board shall provide for the lodging of such a number of guards as may by them be required to remain at the prison during the night.

SEC. 28. No work, labor or service shall be performed by a convict within the penitentiary, except as herein provided for, unless it is expressly authorized by the board.

SEC. 29. In the treatment of the prisoners, the following

As amended
January 7, 1871.

general rules shall be observed:

Rules regulat-
ing treatment
of prisoners, &c.

1st. Each convict shall be provided with a bed of straw, or other suitable material, and sufficient covering, with garments of coarse material, and with sufficient plain and wholesome food, and such variety as may be most conducive to health.

2d. If any prisoner is sentenced to solitary confinement, the sentence shall be executed, subject to the right of the board to modify it so far as may be necessary to prevent any serious injury to health. No unnecessary labor shall be required of any convict on Sunday.

3d. No punishment shall be inflicted except by the order and under the direction of the warden or deputy warden.

4th. All money in possession of a prisoner, when he is delivered at the penitentiary, shall be properly entered on the clerk's books, and if not otherwise disposed of by the prisoner, shall be deposited in the treasury by the warden, with other funds in his hands.

5th. The rules and regulations prescribing the duties of and obligations of the prisoners, shall be printed and hung up in each cell and shop.

6th. Each convict, when he leaves the penitentiary, shall be supplied with a suit of citizens' clothes, with the money taken from him when he entered, and which has not been disposed of by his order, and what he may have earned by good behaviour and diligent labor.

Before discharging any convict who may be insane or lunatic at the time of the expiration of his sentence, the warden shall first give notice in writing, to the probate judge of the county from which such convict was sent, of the fact of such insanity or lunacy; whereupon said judge shall forthwith issue his warrant to the sheriff of such county, commanding him to remove such insane or lunatic convict, and return him to said county.

Insane or luna-
tic convicts.

Upon the receipt of such warrant, it shall be the duty of said sheriff to whom it is directed to execute the same forth-

with, and return the same to the probate judge by whom it was issued; and thereupon the said probate judge shall immediately order such insane or lunatic person to be confined and provided for as directed by the 25th section of an act entitled "an act to provide for the uniform government and better regulation of the lunatic asylums of the state, and the care of idiots and the insane," passed April 7, 1856; and the sheriff shall receive the same compensation as for transferring a prisoner to the penitentiary, and the auditor of the county shall draw an order upon the county treasurer for the amount. If any such probate judge, after having been so notified by the warden, shall neglect to issue his warrant as herein provided, or any such sheriff shall neglect to remove such insane or lunatic convict, as required by the provisions of this section, it shall be the duty of the warden to cause such insane or lunatic convict to be removed and returned to the county from which he was sent, in charge of an officer of the penitentiary, or some other suitable person; and the cost of such removal shall be paid out of the county treasury in the same manner as when removed by the sheriff as herein provided.

Rewards for
good behavior,
etc.

SEC. 30. In order that good behavior may be properly rewarded, it shall be the duty of the board to provide, in its rules and regulations, for a correct daily record of the conduct of each prisoner, and his fidelity and diligence in the performance of his work; and each one who is sentenced for a definite time, shall be entitled to diminish the period of his sentence, and receive a portion of his earnings, and to citizenship, under the following rules and regulations:

1st. For each calendar month, commencing on the first day of the month next after his arrival at the penitentiary, during which he shall not be guilty of a violation of the discipline or any of the rules of the prison, and shall labor with diligence and fidelity, he shall be allowed a deduction of five days from the period of his sentence, and a portion of his earnings, not exceeding one tenth of the average price of convict labor.

2d. For every violation of the rules and discipline, or want of fidelity and care in the performance of work, the convict shall not only forfeit all gained time and earnings for the month in which the delinquency occurs, but, according to the aggravated nature or frequency of his offences, the board may deduct a portion or all of his previously earned time and money, or either of them.

3d. If a convict shall pass the entire period of his sentence without any violation of the rules and discipline, he shall be entitled to a certificate thereof from the warden, and on presenting it to the Governor, he shall be restored to citizenship.

4th. If he is prevented from labor by sickness or other infirmity, not intentionally produced by himself, he shall be entitled, by good conduct, to two and a half days' deduction from his sentence each month.

5th. If he is unable to earn anything, by reason of sickness, or infirmity, during his confinement, and his conduct

has been good, the board may allow him a sum sufficient to defray his expenses to the county where he was convicted.

6th. Each convict who performs labor, but not on a contract, and whose conduct and fidelity entitle him to it, shall be allowed a sum in lieu of earnings, which shall not exceed one-tenth of the average contract price in the prison.

SEC. 31. All criminals sentenced to the penitentiary by the authority of the United States, shall be received and kept according to the sentence of the court by which they were tried, and the prisoners so confined shall be subject, in all respects, to the same discipline and treatment as though committed under the laws of this state. The warden is hereby authorized to charge and receive from the United States, for the use of the State, for each prisoner, forty cents a day for board, the cost of all clothing which may be furnished, and one dollar a month for the use of the prison, and if additional guards are required, the compensation of such guards; and no other or further charge shall be made by any officer for or on account of such prisoners.

—United States prisoners.

SEC. 32. No officer, or employe, shall receive, directly or indirectly, any other compensation for his services than that herein prescribed, nor shall he receive any compensation whatever, directly or indirectly, for any act or service which he may do or perform for or on behalf of any contractor, or agent, or employe of a contractor. For every violation of this section, the officer, agent, or employe of the State engaged therein, shall be dismissed from his office or service, and every contractor, or employe, or agent of a contractor engaged therein, shall be expelled from the penitentiary, and not again permitted within it, as a contractor, agent, or employe.

—prohibitions and penalties.

SEC. 33. No officer, or employe of the state, or contractor, or employe of a contractor, shall make any gift or present to a convict, or receive any from a convict, or have any barter or dealings with a convict; and for every violation of this section, the party engaged therein shall incur the same penalty as is prescribed in section thirty-two.

SEC. 34. No officer, or employe of the penitentiary shall be interested, directly or indirectly, in any contract or purchase, made, or authorized to be made, by the steward, nor shall the steward make any purchases, or sales, for, or in behalf of the penitentiary, in connection with any other party or interest whatever.

SEC. 35. Every cost bill shall be presented to the warden when the prisoner is delivered at the penitentiary; the warden shall certify on it that the prisoner has been received, and the bill shall then be audited at the state auditor's office and paid as other claims against the state; and it is hereby made the duty of the auditor, before drawing his warrant on the treasury for the payment of said cost bill, to correct any errors therein as to form, items or amount.

Cost bills, how settled.

SEC. 36. All the bonds of officers and employes under this act shall be deposited with the treasurer of state.

Buildings destroyed by fire may be rebuilt.

SEC. 37. If any of the shops or buildings in which the convicts are employed are destroyed or injured by fire, they may be rebuilt or repaired immediately, under the direction of the board, and the expense thereof paid out of any funds in the state treasury not otherwise appropriated by law.

SEC. 38. The directors and present contractors, or any of them, may, by agreement, conform the present contracts in any respect to the provisions of this act, and the directors may permit any bids now pending before them to be so amended or altered as to conform in any respect to the provisions of this act, and may accept or reject them, according to the provisions hereof.

SEC. 39. The present officers of the penitentiary shall hold their offices until their successors are appointed and qualified.

Acts repealed.

SEC. 40. The act providing for the appointing and more thorough accountability of the officers of the Ohio penitentiary, fixing their compensation, prescribing their duties and determining the manner of working the convicts, and repealing certain acts and parts of act herein named, passed March 24, 1863, also an act amending section sixth of the above recited act, passed March 25, 1864, also an act amending sections eight, thirteen and twenty-seven of said act of March 24, 1863, passed April 13, 1865, be and the same are hereby repealed; provided, that all crimes and offenses which have been committed in violation of said act of March 24, 1863, and the acts amendatory thereof, shall be prosecuted and punished the same as if said acts had not been repealed.

SEC. 41. This act shall take effect on its passage.

P. HITCHCOCK,

Speaker pro tem. of the House of Representatives.

H. S. MARTIN,

President pro tem. of the Senate.

Passed April 1, 1867.

AN ACT

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio,* That section 35 of an act providing for the punishment of crimes, passed March 7, 1835, be amended so as to read as follows:

Penalty of guards assisting escapes.

—citizens.

Section 35. That if any of the assistants, guards or other officers of the penitentiary, or any other person than a convict shall procure, aid or abet any of the convicts confined therein to escape therefrom, or shall induce or attempt to induce, or persuade or attempt to persuade any of the convicts therein to escape or attempt to escape, every person so offending shall, upon conviction thereof, be imprisoned in the penitentiary and kept at hard labor for any space of time not greater than the convict thus procured, aided or abetted to escape, or induced or attempted to be induced, or persuaded or attempted to be persuaded to escape was originally

sentenced for; or if any person or persons, without the consent of the warden or deputy warden, or in the discharge of his or their duty as an employe of said penitentiary, shall convey or attempt to convey, or shall aid, abet or procure to be conveyed or attempted to be conveyed to any convict therein, any weapon, ammunition, tool or material of any kind, he or they shall be guilty of a misdemeanor, and upon conviction thereof, shall be confined in the penitentiary for a term of time not less than two nor more than ten years.

SEC. 2. That section 35 of said act be and the same is hereby repealed.

SEC. 3. This act shall take effect and be in force from and after its passage.

A. J. CUNNINGHAM,
Speaker of the House of Representatives.
SAM'L F. HUNT,
President pro tem. of the Senate.

REPORT OF DIRECTORS.

To His Excellency R. B. HAYES, Governor of Ohio :

The Directors of the Ohio Penitentiary respectfully report that, at the expiration of the fiscal year, the accounts were settled as far as practicable. None of any considerable amount were permitted to remain outstanding. The total amount of receipts was \$183,899.03; the ordinary expenses were \$146,543.39. The net amount of cash earnings over ordinary expenses was \$37,355.64.

Among the extraordinary expenses are the following :

For the wall around the addition.....	\$11,426 61
For the steam heating apparatus for the kitchen, laundry, halls, &c.....	6,587 75
For machinery for mill and laundry.....	2,886 71
For materials for building, &c.....	5,740 32
For the Library.....	1,052 56

The wall around the land recently purchased is now completed, including the coping and guard-houses. That which has been built being on three sides only, is 1873 feet in length, and from the bottom of the foundation 24 feet high. About 35 prisoners were constantly employed on it during the season, most of whom could have been profitably let on contract. In charging up the cost of the wall, we have only included what was paid for materials, a superintendent, and extra guards. All the expenses of the Penitentiary for the year amount to \$174,237.34, and after defraying them, there is left in the Treasury \$9,661.69. We are each year more assured that, under ordinary circumstances and with careful management, the Prison may be made to support itself. Accidents, epidemics, building and improvements, may at any time swell the expenses above the income; but, ordinarily, the revenues ought to exceed the disbursements.

The officers have had more or less difficulty, for many years, with contracts for the supply of both salt and fresh meat. Various expedients have been resorted to, but none secured a compliance with contracts or prevented complaints. Last winter the whole subject was investigated by a Legislative committee, and the embarrassments connected with it were fully explained. During a part of the summer and fall, the plan of purchasing fat cattle and hogs and slaughtering them in the Penitentiary has been tried, and so far it has been very successful. The meat is much

superior in quality, and the cost is not any greater, but is believed to be considerably less. As yet the arrangements for butchering are temporary, and if that mode of procuring meat is adopted, it will be necessary to put up permanent buildings for the purpose.

The supply of water for the use of the Penitentiary, has heretofore been derived principally from a culvert, built many years ago by Dr. Goodale, to drain some land belonging to him, and lying north of the prison grounds. That supply has been sufficient until this year. The severe drouth which prevailed over this section of the State, diminished the supply so as to create some apprehension of a failure, both for ordinary use and the extinguishment of fires. The city also, in carrying out a system of drainage, which is necessary both for convenience and health, during the past season, contracted for a large and deep sewer, which, when completed, will in all probability tap the source of our supply, and draw off the water so far below the surface as to deprive the State of its use. The work is now in progress. To meet that contingency, it was necessary to take immediate steps in order to secure a new supply. The Holly Water Works have been adopted by the city, and their main pipe passes along the street in front of the Penitentiary. With the assent and under the direction of the Board, the Warden contracted with the city to lay the pipes in the yard. They are so arranged that, when completed, each building will be within the reach of two or more hydrants. We did not consider it clear, that this improvement would come under the appropriation for "enlargement and repairs." The emergency was so pressing that the contract was made, assuming that we had no legal authority, and under the belief, of both the city and the Board, that the State would make an appropriation as soon as the facts were fully stated. We, therefore, recommend that an appropriation be made immediately for that purpose.

Our new ground being now enclosed and ready for use, an opportunity is afforded for building new shops. Many which are now used are old and dilapidated, and scarcely fit for the purpose to which they are appropriated. Several of this description are improperly located and ought to be removed as a means of improving the police of the Institution. As there are not any improvements which demand more immediate attention, we think a liberal appropriation for this purpose should be made. At least six large shops should be built this season, some one, and others two stories high, with all the improvements which experience has suggested. The danger from fire is very great. The materials used for manufacturing purposes, the debris, and much of the manufactured work, are very inflammable. When once ignited it is difficult to extinguish a fire

before one or more shops, with their contents, are destroyed. The laborers are all convicts, who are working from compulsion and without any compensation. There is very little inducement for them to be careful. Many of them are so disposed to evil, as to apply the torch to gratify a mischievous or malicious disposition. That we have recently escaped serious losses from this cause, may be attributed to the unremitting attention and care of the Captain of the Night Watch and the guards under his direction. In a report to the Warden, the Captain of the Night Watch says: "That during the fiscal year ending October 31, 1871, this Institution has not been visited with any disastrous conflagration, and that while numerous fires have been discovered and arrested in their incipency, which undiscovered would have led to serious consequences, we have been kept during another year free from the devouring element. The night fire patrol, during the ten months preceding December, 1871, discovered and extinguished fires, all of a more or less dangerous character, as follows:" He then gives a tabular statement of a large number, many of which would have been very destructive, to both the State and contractors, if they had not been discovered and extinguished at their beginning. Very few, if any, were the result of design. The loss which the State has heretofore sustained from this cause, and the extreme care and extraordinary precautions and expense which are necessary to prevent its recurrence, has satisfied the Board that it is bad policy, as well as an economical blunder, to build any shops except such as are fire-proof, or as nearly so, as is practicable. It is necessary, perhaps, to use some wood in their construction; but the quantity may be very greatly diminished. The first cost of the buildings will be somewhat increased; but it will be the most economical policy in the end. It will add to the value of prison labor, because the danger of loss will be materially diminished. All advantages of this sort are considered by bidders, and in their estimation enhance the value of the labor. We, therefore, earnestly recommend that authority be given to build fire-proof shops.

That which is paid to the convicts for good behavior, is included in the ordinary expenses. The provision in our law under which the payments are made is liberal, and at the same time, when properly administered, is a strong incentive to good behavior on the part of the convict. An arbitrary sum, given absolutely, and without the exercise of discretion, might be liberal, but it would be more likely to be pernicious in its consequences than beneficial. Such favors should always be bestowed as a reward for meritorious conduct, and withheld for vicious behavior. If it is given as a matter of right and not as a reward, it will not produce any effect in the way of reformation. The present provision is sufficient for the pur-

pose, and is productive of beneficial results. We have not yet found it expedient to give the full amount authorized, though the sums given have been increased from year to year. The aggregate for each year, since the law went into effect, is as follows:

1868	\$1,872 45
1869	2,890 00
1870	3,704 00
1871	5,598 00

Propositions have been introduced into the Legislature, at various times, to give a large part or all of the surplus earnings to the families of the prisoners, or the prisoners themselves, as a matter of right. We should deprecate the establishment of any such principle, not only as a material change, but a disturbing element in our system. The prisoners are deprived of their liberty because they have forfeited it, and it is dangerous to the public that they should be at large. They are required to labor as a punishment. They have forfeited their rights as citizens, and their custody and support by the State is a matter of necessity and not of choice. They have no claim whatever for the support of their families, nor as a compensation for their labor. Their families may be embarrassed by their confinement, but that is one of the penalties for crime. It is, undoubtedly, one of the restraints upon those who are married, and all experience shows that the restraining influences are neither too numerous nor too great. The only judicious mode of giving to the convicts a portion of their earnings, is to bestow it when they are discharged, as a reward for good conduct and fidelity while they are prisoners. The amount to be given can only be determined by the officers who are familiar with each prisoner and his record. We find it requires the exercise of great care and proper discrimination in each case, in order to render the favor and liberality of the State effective in the way of reformation, and a real benefit to the convicts.

It has been the uniform policy of the State, from its organization, to make hard labor a part of the sentence of criminals to the Penitentiary. The same policy prevails in all, or nearly all, of the States, and, as far as we are informed, in England and on the continent of Europe. The experience of the civilized world seems to be, that hard labor by the convict is advantageous both to himself and the State. A life of idleness and confinement would be injurious to both mind and body. Whatever may be developed in the future, it is clear that, with our present knowledge, a prison cannot be successfully managed without labor of some sort on the part of the convicts; and in all discussions on the subject, it may be assumed that prison labor is a necessity, and also that the products of it

will be exclusively mechanical. It is also generally conceded that there are no disadvantages arising from a contract system, but that it is altogether preferable to the plan which is sometimes adopted, of manufacturing by the State without the intervention of contractors. This subject was fully discussed in our last report, and we have no desire to add anything to what was then said.

Notwithstanding it is conceded that criminals should labor, and that the contract system is the most advantageous for the State, and equally so for the prisoners, still grave and serious complaints have been made at different periods, in regard to the effect of prison labor on the mechanical interests of the State. That effect has been magnified to such an extent as to disturb the public mind and embarrass the Legislature.

Nearly all the convicts are citizens of the State, and most of them belong to the class of laboring men. If they had been worthy citizens they would, in some form or other, have added their full share to the productive industry of the State. The usual proportion of them would have engaged in mechanical employments. They have neglected the paths of industry and usefulness, and wandered off into the ways of idleness and crime. Here the State finds them, and is compelled to take care of them for a time, and while in its custody, it strives to lead the wanderer back, and the prodigal to his home; it undertakes, also, to cultivate habits of industry, and a true appreciation of right and wrong. In the accomplishment of this result, daily labor in some mechanical employment is essential.

Some convicts are mechanics, but the mass of them had no regular employment before their confinement, and the necessity is imperative that they should be taught some useful labor, and the important lesson, that honest industry is more profitable than crime. When they are discharged from the Penitentiary they should be able to engage in some occupation which, with prudence, will enable them to live and prosper. As far as it is practicable, this should be accomplished by the State in each case during the period of the sentence. The alternative is inevitable, that the convict must be engaged in some kind of labor which is carried on in the State, or be discharged as unfitted for usefulness as when he was imprisoned. He should therefore be taught some occupation which he can pursue within the State. He is a citizen of the State and has a right to live here, and it would be cruel to deny him the right to learn any trade or labor which is carried on here, because he is so unfortunate as to be a convict. No one, then, can reasonably object to the employment of prisoners in any trades or kinds of work which are carried on in the State.

The only remaining objection which can be urged, is the effect upon prices. This cannot be reasonably urged, if the employment of convicts

in mechanical labor only increases the ordinary competition in the markets. It is only when the contractor can, and does, undersell all others because he uses convict labor, that the objection has any force. If the contractor has the advantage in market, because his articles are the best, it is not a ground of complaint. If he obtains an advantage by a more skillful use of capital, and superior executive ability, he is justly entitled to it. The objection is without force, except it is put exclusively on the ground that the use of convict labor enables the contractor to undersell all others, and lower the general market price of the articles he manufactures. This presents a question of fact, and he who affirms it, should be able to prove it. We have no evidence, nor any reason to believe that the alleged fact exists.

If it were true that those who employ convict labor are thereby enabled to undersell those who employ other labor, the Penitentiary contractor ought to be generally successful. Those who are familiar with this subject, and have a knowledge of this business for the past twenty-five or fifty years, generally concur in the opinion, that a larger proportion of contractors fail, than of those who employ other labor. The Ohio Penitentiary is not an exception, though it is now very fortunate, in having an unusual number of those who are apparently successful. The advantages of prison labor have not, during the period referred to, rendered the contractors as generally successful as their competitors who do not possess them. The most formidable competition which the contractors encounter, is from those who employ other labor. And very few, if any, are enabled, on account of convict labor, to undersell their rivals. If they have any advantage in the market, it arises from some other cause than the kind of labor which is employed. Some of our strongest contractors have discontinued the manufacture of certain articles, because they could purchase them in a neighboring city cheaper than they could manufacture them. Some of our largest contractors have extensive establishments just outside of the Penitentiary, and manufacture parts of the same wares with both convict and ordinary labor. Many articles are thus the joint product of the two kinds of labor. This would not be done if there were a great disparity in the value of the labor, or if by using convict labor alone, a great advantage would be gained.

It is impossible to reconcile these facts with any substantial superiority of convict over other labor, except in one particular, and that is its freedom from combinations, and what are called "strikes."

Assuming that articles can be manufactured at one-half less by convict labor than any other, what would be the effect upon the mechanical interests of the State? There are now more than twelve different kinds of manufacturing carried on in our prison. We have about nine hundred

now on contracts. Supposing them to be equally distributed, there would be seventy-five men working at half price, and putting their goods into the market of the country with that much advantage to the contractors. If it affected values at all, it would be in so slight a degree as not to be perceptible, and scarcely capable of expression. No one would perceive it, or have any knowledge of it from the consequences.

To reduce prices, it is not only necessary to supply the market, but to overstock it. And no one will seriously claim that the gratuitous labor of seventy-five men can produce that effect upon any branch of mechanical industry in Ohio, or even in some of its counties. When the whole manufacturing power of England has been concentrated upon this country, our markets have been sometimes affected, but not, in the opinion of many political economists, to the injury of the country generally. If, therefore, the convict labor was furnished by the State gratuitously, the effect would be so inconsiderable as not to be worthy of the notice of the Legislature.

The prejudice which exists in the minds of many, arises from the apparently low price at which convict labor is procured. There are few who appreciate fully the value of that labor. Many have taken contracts under a misapprehension on this subject, and have only been undecieved by a failure of their business. In a previous report in reference to this subject, we said: "There are some considerations affecting the value of convict labor, and peculiar to it, which are not generally appreciated. Convicts, as a class, do not labor when they are out of the Penitentiary. They generally live by plundering those who are law abiding and industrious. Gamblers, horse-thieves, burglars, pickpockets, and the like, are not laborers. If they were, they would not find their way into the Penitentiary. They are, on the contrary, opposed to labor. They are opposed to moral and legal restraints. They are the enemies of the State. When they are convicted and sent to the Penitentiary to labor, it is as a punishment. They do not work willingly. Generally, they are without trades, and not much acquainted with lawful work of any kind. They are compelled to work without any compensation, and are shut out from the world, because it is dangerous for them to be at large. It is the labor of such men that the State hires to the contractor, and the hiring of them carries with it serious risks and disabilities. The State only agrees to furnish 'able-bodied' men. When they are received by the contractor they know little of work, unless they have previously served a term in this or some other prison. They frequently destroy more material than their labor will pay for. If it is intentionally destroyed, the prisoner is punished by the State, but the contractor has no remedy for the wrong done to him. The contractor

incurs extraordinary risk by fire. Nearly every convict is contriving some mode of destroying the prison or shops. The torch is the most ready means. For loss by fire the contractor has no remedy against the prisoner; he cannot even discharge him from his employment. Prisoners are constantly leaving, and it often happens that as soon as one is well taught and his labor is valuable, his term expires, and a new hand is put in his stead. However stupid and ignorant and vicious a convict may be, the contractor cannot turn him off, but must keep him and pay for his labor, if he is 'able-bodied.' A manufacturer outside, can discharge his men and stop his business when the market is dull or the business is unprofitable. The prison contractor, however, must go on, whatever may be his loss.

"These drawbacks to prison labor are counteracted, in part, by discipline; and the labor is more or less valuable as the discipline is more or less perfect. The contractor has no part, however, in the appointment of officers, or the management of the prison. The convicts are exclusively under the control of the State. The discipline may be good when the contractor makes his bid, and before his contract is out, an incapable officer may control the Institution, and diminish the value of the labor one-half. Such changes sometimes take place, and he is compelled to submit to the loss. The experience in this respect, has been such, that any bidder for convict labor will increase his bid, if he can be assured that the Penitentiary will always be under the control of competent and efficient officers."

These suggestions are as forcible now as they were when they were made, and are as applicable. The class of drawbacks which arise from an evil temper and a disposition to do wrong, we have for years been endeavoring to counteract, and we think with some degree of success. And just so far as we succeed we make the labor more valuable.

We may also add that the use of convict labor is open to all who may desire it. Those who have contracts have no advantage, when they expire, over strangers. The highest bidder is entitled to, and uniformly obtains the men. If any one thinks the labor is worth more than the present contract prices, we should be gratified if he will bid for it. Although considerable effort has been made, we have not been able to procure as much competition as we desire. There is no risk in complaining, though there might be in agreeing to pay even the present prices, which were procured with much effort. The average price paid in our Penitentiary is above that paid in any other in the West, and as high as any, with perhaps one or two exceptions, in the East. Within a short period the labor of the Southern Indiana prison has been sold at sixty

cents per day. The sale of a part, if not all, was made with the assent of present contractors. In view of all these facts and circumstances, is it fair to assume that the prices paid are so much below the real value as to give the contractor a decided advantage in the sale of his wares? If those prices are the fair value, there is no ground whatever for any complaint. If they are less than the value, it is because the people of the State are so regardless of profit as not to accept it when it is publicly offered to them. We think it can be made more valuable than it is now, but it will require time, because it will be the result of an improvement in discipline and the moral tone of the convicts. Success and failure result from the same causes, whatever business is carried on. Those causes operate equally in and out of our prisons. Capital, when employed by one who has prudence, judgment and executive talent, is generally productive, but when employed by one who is deficient in either of these qualities, it as generally produces misfortune.

We again call the attention of the Legislature to the importance of more intercourse between the officers of different penitentiaries, in order that there may be some interchange of opinion, and the experience of each may be shared by all. We know of nothing which would be more calculated to improve the general management of our prisons, and aid in accomplishing practical reforms and substantial benefits. The whole subject is daily attracting more and more attention, and, though much progress and improvement has been made, it is still in its infancy, and much in every department is yet to be learned. An annual meeting of wardens, for the purpose of full and free interchange of opinion, with a discussion of any plans and projects which might be suggested, would do much to improve our system and benefit the convicts. The suggestions of such an assembly would proceed from experience and practical knowledge, and would therefore be safe.

The distinction between wrong and crime is very subtle, and the dividing line can hardly be traced. The one, however, leaves a man still a reputable citizen, and the other brands him with infamy. This ought not to be so, but it is difficult to prevent it. The infamy should attach to both when they approach each other in turpitude, or it should not brand the one so deeply. There are cases in which the legal title to property is obtained without affecting any social relations, and in which the moral turpitude is nearly, if not quite, equal to his who is properly sentenced to the penitentiary. The convict is not the basest of men. He is not irreclaimable. He is not necessarily to be excluded from society or avoided as a moral leper. He may be improved. His mind, his reason and his judgment are left; and what is there to prevent his reformation and his

becoming a good citizen? It would seem idle to ask such a question, if it were not so recently that the unfortunate convict was regarded as an outlaw, wholly irreclaimable by any known agency. More Christian ideas now prevail; brutality is condemned; the convict is regarded as one of God's creatures, susceptible of improvement; within the reach of Christian influence, and capable of traveling in the narrow path which leads to life. This favorable change, though recent, is thorough. There is little danger of relapsing into former errors, and the time is not distant when they will be looked back to with astonishment, if not horror. We have, however, but just turned our steps in the right direction. Many things are yet to be corrected and reformed. A great work lies before us, and we need all the aid which can be derived from any and all sources. And, while the various interests of the State are being cared for by the Legislature, we hope the penitentiary will receive all the attention which so important a department deserves.

JAMES L. BATES,
GEORGE HARSH,
STANLEY MATTHEWS.

WARDEN'S REPORT.

WARDEN'S OFFICE, OHIO PENITENTIARY,
COLUMBUS, O., Dec. 1, 1871.

To the Board of Directors Ohio Penitentiary :

GENTLEMEN:—The annual duty again devolves upon me, of reporting to you the management and condition of this Institution during the fiscal year ending October 31, 1871.

The year has been one of unusual health and prosperity. Profound gratitude and thanksgiving is due to our God, whose hand has been over us for good; who has blessed us temporally, and with the far richer tokens of His grace, in leading, as we trust, many of the officers of the prison, and also of the convicts, to taste of the joys of salvation through the Redeemer's blood.

The following detailed statement of the receipts and expenditures will show the financial operations of the prison during the year, viz :

EARNINGS.

Amount for convict labor certified to Auditor of State	\$172,073 13
“ received from visitors	2,541 25
“ “ “ miscellaneous sources	4,227 56
“ “ “ U. S. for subsisting civil convicts	2,901 84
“ “ “ “ “ military convicts	2,155 25
Total cash receipts	\$183,899 03

CONTRA.

Amount expended for provisions	\$46,059 35
“ “ “ clothing and bedding	10,260 84
“ “ “ fuel	3,482 00
“ “ “ light	4,924 68
“ “ “ hospital	3,786 81
“ “ “ tools and incidentals	4,204 20
“ “ “ postage	244 06
“ “ “ stationery and blank books	418 48
“ “ “ printing and advertising	257 75
“ “ “ furniture and carpets	505 82
“ “ “ stock and forage	743 17
“ “ “ reward to convicts	5,598 00
“ “ “ salaries of officers and guards	66,058 23
Total expenditures for ordinary purposes	\$146,543 39
Ballance of cash receipts over ordinary expenditures	\$37,355 64

In addition to the expenditures for ordinary purposes, as above enumerated, there has been expended from the special appropriation made by the last Legislature, for "enlargement and repairs" as follows, viz:

For completion of the new wall	\$11,426 61
" steam piping and fittings, brass-work etc., for heating, and at mill, laundry and kitchen	6,587 75
" shafting, pulleys, pumps, machine works etc	2,886 71
" *lumber, iron, nails, glass, and other materials used in building and improvements	5,740 32
Total.....	\$26,641 39
Also from the special appropriation for library	\$1,052 56
Making the total expenditure for all purposes during the year	\$174,237 34
Excess of actual cash receipts over all expenditures, both for the maintenance of the prison, and in new structures and improvements	\$9,661 69

There has also been performed by convicts, for the State, in building and enlargement during the year, labor as follows, viz: By masons and stone-cutters, 2,688 days; carpenters and tinnerns, 208 days; machinists and plumbers, 319 days; common laborers, 3,491 days, no part of which is included in the above statement of receipts, or earnings. Had these men have been employed upon contracts, their labor, at the average rate, would have amounted to something over \$5,000.00. Had the labor which they have performed been hired by the State, at the usual rates for mechanics and builders, and their attendants the cost, would not have been less than \$15,000.00.

The entire amount expended in the construction of the new wall, since its commencement, on the 1st of August, 1870, is as follows, viz.:

For stone.....	\$8,464 50
" lime and cement.....	1,373 20
" coping stone.....	1,141 85
" materials for guard-houses	275 00
" lumber for scaffolds	200 00
" slate under joints of coping	35 25
" salaries of superintendent and guards.....	3,775 48
Total.....	\$15,265 28

The completion of this addition (of nearly ten acres), to the inclosure of the prison, will afford ample room for the construction of much needed shops, to take the place of several that are becoming so much dilapidated as to be scarcely longer tenable. And to relieve the embarrassment under which all parties doing business in the prison, labor on account of its

*There is about 15,000 feet of lumber on hand, seasoning for future use.

overcrowded condition, and want of sufficient room for conducting advantageously the various necessary operations of its manufactories. The building of several new shops within the new inclosure, as soon as another opening spring shall permit, is a matter of great importance. And a sufficient appropriation for that purpose will be asked of the Legislature soon to convene. As the price of convict labor has advanced, and the revenues of the prison increased from year to year, more liberal expenditures have been made for the comfort and improving the condition of the men. A greater variety of, and better food has been furnished. An entire change of clothing, dispensing with the old degrading stripe, and substituting a uniform of plain gray has been made. Flannel underclothing, during the winter season, has also been supplied to all in the prison. Good comfortable mattresses, of prepared corn-husks, are being substituted for the straw beds heretofore used.

The following is a statement of the provisions issued to prisoners during the year, as shown by the monthly reports of the Superintendent of the Kitchen, exclusive of special diet furnished the sick in hospital, viz.:

Fresh beef.....	114,629 lbs.
Salt beef.....	64,589 "
Pork.....	57,160 "
Ham.....	7,327 "
Wheat bread.....	551,236 "
Corn meal.....	173,032 "
Potatoes.....	103,950 "
Cabbage.....	39,199 "
Onions.....	10,417 "
Turnips.....	8,773 "
Pumpkins.....	4,888 "
Lettuce.....	3,800 "
Beets.....	20 bua.
Tomatoes.....	240 "
Horse radish tops.....	40 "
Sweet potatoes.....	3,972 lbs.
Spinage.....	1,655 "
Horse radish.....	335 "
Green corn.....	72,655 ears.
Rice.....	4,367 lbs.
Beans.....	6,147 "
Hominy.....	5,449 "
Cheese.....	2,720 "
Butter.....	6,464 "
Coffee.....	2,530 "
Tea.....	776 "
Molasses.....	1,838 gals.
Milk.....	9,295 "

Apple butter	645 gals.
Vinegar	395 "
Salt	31,410 lbs.
Pepper	214 "
Mustard	9 "
Apples	118 bus.
Water mellons	214
Grapes	257 lbs.
Cake	3,204 "
Mince pies	500
Lemonade	140 gals.
Oysters	6 cans.
Eggs	100 doz.

The law governing the Penitentiary provides that for good conduct and fidelity and diligence in the performance of his work, each prisoner may receive a portion of his earnings, to be fixed by the Board of Directors, not exceeding one-tenth of the average price of convict labor. The allowances made under this provision of the statute, are much more liberal than formerly. The amount thus paid to convicts discharged during the fiscal year ending October 31, 1868, (the first after the passage of the present law), as shown by the last report of my predecessor, General Walcutt, was \$1,872.45. During that ending October 31, 1869, it was \$2,890.00; 1870, \$3,704.00, and during the last year, \$5,598.00. These rewards will, undoubtedly, be still further increased in the future, should the earnings continue to justify such increase.

The following is the number of prisoners received and discharged during the year, and remaining in the prison at its close, viz.:

Number remaining in the prison Oct. 31, 1870:

From State Courts—males	936
" " " females	37
" U. S. Civil Courts—males	15
" U. S. Military " males	12
Total	1,000

Number received during the year:

From State Courts—males	324
" " " females	6
" U. S. Civil Courts—males	13
" U. S. Military " males	3
Escaped prisoners returned	2

Total during the year

1,348

Number discharged:

By expiration of sentence—State prisoners—males	282
" " " females	13
" " U. S. Civil prisoners—males	12
" " U. S. Military " males	7

Pardoned by the Governor—males.....	57
“ “ females.....	2
Sent to the Reform Farm.....	1
Discharged by military order.....	1
Escaped.....	3
Died—males.....	14
“ females.....	1
Total.....	393
Number remaining in prison Oct. 31, 1871:	
From State Courts—males.....	905
“ “ “ females.....	27
“ U. S. Civil Courts—males.....	16
“ U. S. Military “ males.....	7
Total.....	955

The highest number confined in the prison during the year was 1,041, on the 14th of April. The lowest 955, on the 31st of October. The average number for the year 1,014 3-5.

The three noted as having escaped, were all from those employed or intrusted with liberty outside of the walls. There has been no actual escape from the prison for more than two years, and but one since it has been under my charge.

The foregoing summary, together with the tabular statements accompanying this report, will exhibit, in detail, the financial condition and management of the business affairs of the prison. They are somewhat voluminous. Yet I am impressed with the conviction, that the subject of greatest interest—by far the most important work of the year—has not been alluded to.

Soon after I assumed the charge of the prison, a prominent officer of the State, a personal friend—in expressing the desire that my administration of its affairs might be a successful one and satisfactory to the people of the State—by way of intimation as to how the commendation of the public was to be secured, remarked: “You must make it pay,” i. e., put money into the Treasury of the State. In this respect, the results of the last year may be said to have been a success. More money has been made than ever in any year before. Yet if the only, or chief, results were that money had been earned, whatever the amount might be, I should deem it a miserable failure. Society has the right to protect itself against the depredations of the criminally vicious. In the exercise of this right, our criminal laws are enacted and penal institutions established. During the period of confinement, this protection is secured by the imprisonment of the criminal in the Penitentiary of the State. Yet, to say nothing of the duty that society owes toward this depraved and degraded class, who, for

the most part, have grown up under the most demoralizing influences, and known little or nothing of moral or religious culture or restraints; if the offender can be reclaimed; if, at the expiration of the period of his sentence, he can be sent forth into the world a better man; henceforth to be an honest, industrious, useful member of society; an object has been attained, an end secured in comparison with which money is not worth the consideration. The convict will leave the prison either a better or worse man than when he entered it. He may have learned by bitter experience that "the way of the transgressor is hard;" and may, to some extent, be deterred from the commission of crime, by the remembrance of the punishment inflicted by the law. But there can be no real reformation except by means of "God's remedy for sin," the changing of the heart through the agency of the Holy Ghost. That God's Spirit has been with us; that good has been done, and souls saved, we cannot doubt.

About one year ago a Christian Association was organized, consisting of such officers of the prison and members of Christian churches of the city as should be admitted in accordance with the provisions of the constitution, together with such of the convicts as, upon examination, gave satisfactory evidence of having been "born again," and being the followers of Christ. Some three hundred of the convicts have united with this Association; and although our hearts have been made sad by the inconsistent conduct of some, yet we have been permitted to rejoice that many, by their subsequent daily lives, not only in the prison, but after being discharged, are adorning their profession and honoring the name of the Master. As a general rule, the persons who find their way into the Penitentiary are those that have grown up the creatures of impulse and passion, have been led into crime through bad influences, and know nothing of self-government or control. It is not strange that such persons should sometimes fall when temptation assails them, even though the real desire of the heart may be to lead a better life. It is to be expected, also, that bad men will sometimes feign what they do not possess, and for a time successfully practice deceit, in order to accomplish some corrupt purpose. But even in these cases, and with the worst men, the effect is to secure better conduct for the time being, at least—for this they must do in order to maintain the deception—and better discipline is thereby secured, if nothing more.

We do not undertake to pronounce as to how far genuine reformation has been secured. We are greatly encouraged in our labor, and hopeful of the future.

We can point with pleasure to some who have gone out from us, and are now living honest, useful, Christian lives.

We ask of the Christian people of the State to come and see and judge for themselves, and to give us their sympathy and aid in the work in which we are engaged.

In conclusion, permit me to express my heartfelt thanks for the kind confidence always extended to me by your Honorable Board; and to all the officers of the prison, for the faithful and efficient manner in which each has discharged the duties of his office, and for the valuable aid rendered me in conducting the affairs of this Institution since it has been under my charge.

I am, gentlemen,

Very respectfully,

Your obedient servant,

R. BURR, *Warden.*

List of Contractors' Names, giving the number of contracts, the number and class of contracts, term, price of labor per day, date of contract, time it expires, articles in or at the manufacture of which contracts are to be employed in each case, etc., in force on the first of November, 1871.

PETER HAYDEN.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 30 able	2 years.	93c	April 5, 1871..	April 4, 1873..	Saddle-trees, chains, saddlery hardware, viz: bits, stirrups, buckles, rings, snaps, pad-trees, malleable gray iron and brass castings in the above line of business.
1 for 30 able	3 years.	88c	April 5, 1871..	April 4, 1874..	Saddlery hardware of such kind as he is now [at date] making under contract in the Ohio Penitentiary.
1 for 30 able	5 years.	71c	April 7, 1869..	April 6, 1874..	Saddlery and carriage hardware, viz: bits, stirrups, buckles, rings, snaps, pad-trees, saddle-trees, chains, malleable castings and gray iron and brass castings in the above line of business.
1 for 30 able	3 years.	85½c	Nov. 22, 1869..	Nov. 21, 1872..	Saddlery hardware of such kinds as he at date makes under contract in the Ohio Penitentiary.
1 for 30 able .....	.....	65c	Oct. 6, 1870....	Jan. 31, 1872..	Saddlery hardware of such kinds as he at date makes under contract in the Ohio Penitentiary.

OHIO TOOL COMPANY.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 15 able	5 years.	80½c	Nov. 22, 1869..	Nov. 21, 1874..	Carpenters', cabinet-makers' and coopers' tools; and the grinding, filing and finishing of plane irons and mechanics' edge tools; and the making of wood-saw frames.
1 for 10 able	5 years.	70c	Jan. 9, 1868...	Jan. 8, 1873 ..	Carpenters', cabinet-makers' and coopers' tools; the grinding, filing, and finishing of plane irons and mechanics' edge tools; and the making of wood-saw frames and skates.
1 for 15 able	5 years.	70c	April 11, 1868.	April 10, 1873.	Carpenters', cabinet-makers and coopers' tools; and grinding, filing, and finishing plane irons and mechanics' edge tools; and the making of wood-saw frames and skates.
1 for 17 able	5 years.	70c	April 7, 1869..	April 6, 1874..	Carpenters', joiners', cabinet-makers', wheel-rights and coopers' tools, and all tools used by mechanics working in wood; also the manufacturing, grinding and filing of plane irons and mechanics' edge tools, and the making of wood-saw frames and skates.

BROWN, HINMAN & COMPANY.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 50 able.....	5 years.	70c.	June 7, 1867..	June 6, 1872..	With the exclusive right of manufacturing the articles here specified, to wit: Scythe-snaths; grain cradles and fingers; manure, barley, hay and straw forks; potato and manure hooks; socket, shank, weed, garden and planters' hoes; horse and hand hay rakes; garden rakes; handles; cultivators and harrows, and carriage bolts.
1 for 30 minors.....	5 years.	45c.	June 7, 1867..	June 6, 1872..	Scythe-snaths; grain cradles and fingers; manure, barley, hay and straw forks; potato and manure hooks; socket, shank, weed, garden and planters' hoes; horse and hand hay rakes; garden rakes; handles; cultivators and harrows, and carriage bolts.
1 for 20 able.....	.....	65c.	.....	Jan. 31, 1872..	Scythe-snaths; grain cradles and fingers; manure, barley, hay and straw forks; potato and manure hooks; socket, shank, weed, garden and planters' hoes; horse and hand hay rakes; garden rakes; handles; cultivators and harrows, and carriage bolts.

AYERS, MITHOFF, DANN & CO.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 20 able.....	3 years.	85c.	April 5, 1871..	July 14, 1873..	Felloes, spokes, hubs, wheels, shafts, poles, parts bodies, seats, bows, single-trees, seat backs, neck-yokes and handles, and for ironing and finishing same, and files.
1 for 10 able.....	5 years.	90c.	April 5, 1871..	April 4, 1876..	Felloes, spokes, hubs, wheels, shafts, poles, parts bodies, seats, bows, single-trees, seat backs, neck-yokes, handles, and for ironing and finishing same, and files.
1 for 25 able.....	5 years.	70c.	July 9, 1868..	July 14, 1873..	With the exclusive right of manufacturing the articles here specified, to wit: Wheels, bodies, seats, bows, shafts, poles, hubs, spokes, felloes, parts single and double-trees, neck-yokes and sleigh stuff.
1 for 20 able.....	5 years.	70c.	July 9, 1868..	July 9, 1873..	With the exclusive right to manufacture the following articles: Files.
1 for 17 able.....	.....	70c.	April 7, 1869..	July 13, 1873..	Hubs, spokes, felloes, wheels, shafts, poles, parts bodies, seats, sleigh stuff, bows, single-trees, double-trees and spring bars.
1 for 15 able.....	5 years.	70c.	Sept. 3, 1867..	Sept. 2, 1872..	Felloes, hubs, spokes, wheels, shafts, poles, parts bodies, seats, bows, single-trees, neck-yokes, seat backs, handles, etc. (being the business now carried on by us [them]), and in addition, the ironing of same.
1 for 10 able.....	.....	80c.	Nov. 22, 1869..	July 14, 1873..	Same articles they were making at date of this contract.
1 for 25 able.....	.....	81c.	Oct. 1, 1870..	Nov. 21, 1874..	" " " " " "

FORD & JOHNSON.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 10 able.....	5 years.	70c	Jan. 9, 1868...	Jan. 8, 1873...	With the exclusive right of manufacturing the articles here specified, to wit: Chairs, chair frames and chair seats.

BAILEY & MARPLE.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 17 able.....	.....	70c	April 7, 1869...	Jan. 8, 1873...	Cane seat chairs.
1 for 15 women.....	3 years.	52c	July 6, 1870...	July 5, 1873...	Canning chair seats and rocker backs, etc.

HUFF & MONYPENNY.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed at—
1 for 20 able.....	5 years.	85c	April 5, 1871...	April 4, 1876...	Coopering, with the privilege of working them on any kind of wood work not now [at date] under monopoly in the prison.
1 for 10 able.....	5 years.	87c	Nov. 22, 1869	Nov. 21, 1874...	Same as above.

DENIG & FERSON.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 30 able.....	3 years.	93c	Nov. 1, 1870...	Oct. 31, 1873...	Children's carriages, hobby horses and toys.
1 for 10 able.....	5 years.	70c	April 11, 1868	April 11, 1873.	With the exclusive right of manufacturing the articles here specified, to wit: Children's carriages, hobby horses, children's sleds and toys.

C. F. & F. SWAN.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 10 able.....	5 years.	73c	Sept. 3, 1867..	Sept. 2, 1872..	Small gray-iron hardware castings, such as butt hinges, wardrobe hooks, bed and table castors, window rollers, etc., with the exclusive right of manufacturing butt hinges.
1 for 10 able	4½ years.	70c	May 7, 1868....	Sept. 2, 1873..	Small gray-iron castings, to wit: Butt hinges, wardrobe hooks, bed and table castors, window rollers, etc.
1 for 10 minors*	4½ years.	50c	May 7, 1868....	Sept. 2, 1872..	Small gray-iron castings, to wit: Butt hinges, wardrobe hooks, bed and table castors, window rollers, etc.
1 for 25 able.....	5 years.	75c	April 7, 1869...	April 6, 1874..	Brass work, japanning, window weights and iron work for coffee mills.

* Or such disabled men as can be made available in their work.

GEORGE W. GILL.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	
1 for 15 able	5 years.	70c	Oct. 2, 1867....	July 30, 1873.	With exclusive right of manufacturing the articles hereafter specified, to wit: Wood and coal cooking and heating stoves, hollow-ware, grates and dog-irons.

• MILLER & HESS.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	
1 for 10 able.....	5 years.	76c	June 12, 1871..	Jan. 9, 1873 ..	With the exclusive right of manufacturing the articles here specified, to wit: Ploughs.

THOMAS LOUGH.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 ¹ / ₂ for 40 able.....	5 years.	70c.	Oct. 2, 1867....	Jan. 31, 1873..	Brushes, sieves, and other wire-work.
1 for 50*.....	5 years.	45c.	Jan. 9, 1868....	Jan. 31, 1873..	To be employed in manufacturing brushes, or at other light work connected therewith.

* Or such number of convicts, not exceeding fifty, as the Warden can furnish, of the class called minors, or infirm men who can be made available in drawing bistles, or in doing other light work connected with brush making.

REED, JONES & CO.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 25 able.....	3 years.	91c.	Aug. 4, 1870...	Aug. 3, 1873...	Boots and shoes.
1 for 10 able.....	.....	86c.	April 5, 1871..	Jan. 4, 1874...	Boots and shoes.

R. W. LINEN.

Contracts and Convicts.	Term.	Price.	Date.	Expires.	To be employed in manufacturing—
1 for 10 able.....	5 years.	97c.	Jan. 4, 1871....	Jan. 3, 1876....	Tailoring.

RECAPITULATION.

P. Hayden has	1	contract for 30	able men	at 93c per day.
"	1	"	20	88
"	1	"	30	71
"	1	"	30	85½
"	1	"	30	65
The Ohio Tool Co	1	"	15	80½
"	1	"	10	70
"	1	"	15	70
"	1	"	17	70
Brown, Hinman & Co	1	"	50	70
"	1	"	30 minors	45
"	1	"	20 able men	65
Ayers, Mithoff, Dann & Co	1	"	20	85
"	1	"	10	90
"	1	"	25	70
"	1	"	20	70
"	1	"	17	70
"	1	"	15	70
"	1	"	10	80
"	1	"	25	81
Bailey & Marple	1	"	17	70
"	1	"	15 women	52
Huff & Monypeny	1	"	20 able men	85½
"	1	"	10	87½
Ford & Johnson	1	"	10	70
Denig & Ferson	1	"	30	93
"	1	"	10	70
C. F. & F. Swan	1	"	10	73
"	1	"	10	70
"	1	"	10 minors	50
"	1	"	25 able men	75
Geo. W. Gill	1	"	15	70
Miller & Hess	1	"	10	76
Thomas Lough	1	"	40	70
"	1	"	50 minors	45
Reed, Jones & Co	1	"	25 able men	91
"	1	"	10	86
R. W. Linen	1	"	10	97
	38		766	

Table showing the number of days' labor performed for Contractors, the price per day, and the amount, during each month, of the fiscal year, 1871.

Month.	Days.	Rate.	Amount.
1870—November			
December	83½		\$87 67
1871—January			
February			
March			
April		\$1 05	
May			
June			
July			
August			
September			
October			
	83½		\$87 67

Ohio Penitentiary—Labor performed for Contractors—Continued.

Month.	Days.	Rate.	Amount.
1870—November.....			
December.....			
1871—January.....	142	97c	\$137 74
February.....	144	97c	139 68
March.....	162	97c	157 14
April.....	150	97c	145 50
May.....	179	97c	173 63
June.....	179½	97c	174 11
July.....	179½	97c	174 11
August.....	186½	97c	180 90
September.....	180½	97c	175 08
October.....	186½	97c	180 90
	<u>1,689½</u>		<u>\$1,638 79</u>
1870—November.....	747	93c	\$694 71
December.....	798	93c	742 14
1871—January.....	777	93c	722 61
February.....	702½	93c	653 32
March.....	799	93c	743 77
April.....	1,224	93c	1,138 32
May.....	1,550	93c	1,441 49
June.....	1,512½	93c	1,406 62
July.....	1,482	93c	1,378 25
August.....	1,491½	93c	1,387 09
September.....	1,486½	93c	1,382 44
October.....	1,465	93c	1,362 45
	<u>14,035</u>		<u>\$13,053 2</u>
1870—November.....		90c	
December.....		90c	
1871—January.....		90c	
February.....		90c	
March.....		90c	
April.....	136½	90c	\$122 85
May.....	239½	90c	215 55
June.....	220½	90c	206 55
July.....	222½	90c	200 25
August.....	251½	90c	226 35
September.....	240½	90c	216 45
October.....	254	90c	228 60
	<u>1,574</u>		<u>\$1,416 60</u>
1870—November.....	632½	91c	\$575 57
December.....	646½	91c	588 31
1871—January.....	577½	94c	525 52
February.....	511½	91c	465 46
March.....	621	91c	565 11
April.....	615	91c	559 65
May.....	646	91c	587 86
June.....	626	91c	569 66
July.....	606	91c	551 46
August.....	633½	91c	576 48
September.....	607½	91c	552 82
October.....	635	91c	577 85
	<u>7,358</u>		<u>\$6,695 75</u>

Ohio Penitentiary—Labor performed for Contractors—Continued.

Month.	Days.	Rate.	Amount.
1870—November .....	.....	.....	.....
December .....	.....	.....	.....
1871—January .....	.....	.....	.....
February .....	.....	.....	.....
March .....	.....	.....	.....
April	329	88c	\$289 52
May	514½	88c	452 76
June	496	88c	436 48
July	478	88c	420 64
August	486½	88c	428 12
September	499	88c	439 12
October	481½	88c	423 72
	3,284½		\$2,890 36
1870—November	248½	87½c	\$217 43
December	240½	87½c	210 43
1871—January	226	87½c	197 05
February	215	87½c	188 12
March	233	87½c	203 87
April	220½	87½c	192 93
May	232½	87½c	208 68
June	238	87½c	208 25
July	233½	87½c	204 30
August	261½	87½c	228 80
September	242½	87½c	212 18
October	235½	87½c	206 05
	2,833		\$2,478 09
1870—November .....	.....	.....	.....
December .....	.....	.....	.....
1871—January .....	.....	.....	.....
February .....	.....	.....	.....
March .....	.....	.....	.....
April	859	86c	\$738 74
May	867	86c	745 62
June	1,077	86c	926 22
July	1,415½	86c	1,217 33
August	1,376	86c	1,183 36
September	1,089½	86c	936 97
October	992	86c	853 12
	7,676		\$6,601 36
1870—November	760	85½c	\$649 80
December	809	85½c	691 69
1871—January	721½	85½c	651 07
February	677	85½c	578 83
March	802	85½c	685 71
April	1,169	85½c	999 49
May	1,318	85½c	1,126 88
June	1,233½	85½c	1,054 63
July	1,236	85½c	1,056 76
August	1,307	85½c	1,117 47
September	1,264½	85½c	1,081 13
October	1,201½	85½c	1,027 27
	12,499		\$10,720 73

Ohio Penitentiary—Labor performed for Contractors—Continued.

Month.	Days.	Rate.	Amount.
1870—November .....	.....	.....	.....
December .....	.....	.....	.....
1871—January .....	.....	.....	.....
February .....	.....	.....	.....
March .....	.....	.....	.....
April	431	85c	\$366 35
May	519½	85c	441 57
June	493	85c	419 05
July	486½	85c	413 52
August	524	86c	445 40
September	504½	85c	428 82
October	487½	85c	414 37
	1,446		\$2,929 08
1870—November	140	83c	\$116 18
December	561	83c	465 61
1871—January	219	83c	181 76
February .....	.....	.....	.....
March .....	.....	.....	.....
April .....	.....	.....	.....
May .....	.....	.....	.....
June .....	.....	.....	.....
July .....	.....	.....	.....
August .....	.....	.....	.....
September .....	.....	.....	.....
October .....	.....	.....	.....
	920		\$763 55
1870—November	1,210	81c	\$980 09
December	1,317	81c	1,066 76
1871—January	2,295	81c	1,858 93
February	2,430	81c	1,968 27
March	2,607½	81c	2,112 05
April	793½	81c	642 71
May	621½	81c	503 41
June	583	81c	472 23
July	577	81c	467 37
August	640½	81c	518 80
September	596	81c	482 76
October	605	81c	490 05
	14,276		\$11,563 43
1870—November	382½	80½c	\$306 95
December	405	80½c	325 01
1871—January	387	80½c	310 56
February	350	80½c	280 87
March	387½	80½c	310 96
April	335	80½c	268 83
May	382	80½c	306 55
June	368	80½c	295 32
July	349½	80½c	280 47
August	372½	80½c	298 93
September	360	80½c	288 90
October	359½	80½c	288 49
	4,438½		\$3,561 84

Ohio Penitentiary—Labor performed for Contractors—Continued.

Month.	Days.	Rate.	Amount.
1870—November	256	80c	\$204 80
December	270	80c	216 00
1871—January	260	80c	208 00
February	220 $\frac{1}{2}$	80c	176 40
March	267 $\frac{1}{2}$	80c	214 00
April	250	80c	200 00
May	256 $\frac{1}{2}$	80c	205 20
June	222 $\frac{1}{2}$	80c	178 00
July	217	80c	173 60
August	229	80c	183 20
September	229 $\frac{1}{2}$	80c	183 60
October	220	80c	176 00
	<u>2,898$\frac{1}{2}$</u>		<u>\$2,318 80</u>
1870—November	257 $\frac{1}{2}$	76c	\$195 70
December	270	76c	205 20
1871—January	259	76c	196 84
February	238 $\frac{1}{2}$	76c	181 26
March	270	76c	205 20
April	240 $\frac{1}{2}$	76c	182 78
May	252	76c	191 52
June	237	76c	180 12
July	252 $\frac{1}{2}$	76c	191 90
August	268 $\frac{1}{2}$	76c	204 06
September	228 $\frac{1}{2}$	76c	173 66
October	253	76c	192 28
	<u>3,027</u>		<u>\$2,300 52</u>
1870—November	619	75c	\$464 25
December	637	75c	477 75
1871—January	602 $\frac{1}{2}$	75c	451 87
February	556 $\frac{1}{2}$	75c	417 37
March	644	75c	483 00
April	610	75c	457 50
May	642	75c	481 50
June	615 $\frac{1}{2}$	75c	461 62
July	611	75c	458 25
August	614	75c	460 50
September	608 $\frac{1}{2}$	75c	456 37
October	617	75c	462 75
	<u>7 377</u>		<u>\$5,532 73</u>
1870—November	245 $\frac{1}{2}$	73c	\$179 21
December	252	73c	183 96
1871—January	234 $\frac{1}{2}$	73c	171 18
February	231	73c	168 63
March	64 $\frac{1}{2}$	73c	193 08
April	49	73c	181 77
May	268	73c	195 64
June	255 $\frac{1}{2}$	73c	186 51
July	251 $\frac{1}{2}$	73c	183 59
August	270	73c	197 10
September	246	73c	179 58
October	173 $\frac{1}{2}$	73c	126 65
	<u>2,941</u>		<u>\$2,146 90</u>

Ohio Penitentiary—Labor performed for Contractors—Continued.

Month.	Days.	Rate.	Amount.
1870—November	1,264	71c	\$898 14
December	1,309	71c	929 39
1871—January	874	71c	620 54
February	703	71c	502 68
March	792	71c	562 32
April	728½	71c	517 23
May	802½	71c	569 77
June	754½	71c	535 69
July	771	71c	547 41
August	807½	71c	573 32
September	764½	71c	542 79
October	763	71c	541 73
	10,339½		\$7,341 01
1870—November	8,323	70c	\$5,826 10
December	8,836½	70c	6,185 55
1871—January	8,317½	70c	5,822 25
February	7,589½	70c	5,312 65
March	8,589	70c	6,012 30
April	7,217	70c	5,051 90
May	7,406½	70c	5,184 55
June	6,776	70c	4,743 20
July	6,633½	70c	4,643 45
August	6,950	70c	4,865 00
September	6,753½	70c	4,727 45
October	6,711	70c	4,697 70
	90,103		\$63,072 10
1870—November	1,221½	65c	\$793 97
December	1,308½	65c	850 52
1871—January	1,255	65c	815 75
February	1,095	65c	711 75
March	1,244½	65c	808 92
April	1,147½	65c	745 87
May	1,290	65c	838 50
June	1,231	65c	800 14
July	1,216	65c	790 40
August	1,288½	65c	837 52
September	1,259	65c	818 34
October	1,264	65c	821 60
	14,820½		\$9,633 28
1870—November	118½	52c	\$61 62
December	76	52c	39 52
1871—January	80½	52c	41 86
February	115½	52c	60 06
March	168½	52c	87 62
April	151½	52c	78 78
May	194½	52c	101 14
June	208	52c	108 16
July	185½	52c	96 46
August	201½	52c	104 78
September	129	52c	67 08
October	189	52c	98 28
	1,818		\$945 36

Ohio Penitentiary—Labor performed for Contractors—Continued.

Month.	Days.	Rate.	Amount.
1870—November	1,150½	50c	\$575 25
December	1,258	50c	629 00
1871—January	1,109	50c	554 50
February	996½	50c	498 25
March	1,093½	50c	546 75
April	564	50c	282 00
May	539½	50c	269 75
June	485½	50c	242 75
July	500½	50c	250 25
August	513	50c	256 50
September	466	50c	233 00
October	432½	50c	216 25
	9,108½		\$4,554 25
1870—November	1,658½	45c	\$746 32
December	1,815½	45c	816 97
1871—January	1,719½	45c	773 77
February	1,603½	45c	721 57
March	1,766½	45c	794 92
April	1,768½	45c	795 82
May	1,932	45c	869 40
June	1,935	45c	870 75
July	1,936½	45c	871 42
August	1,957	45c	880 65
September	1,869	45c	841 04
October	1,878	45c	845 09
	21,839½		\$9,827 72

RECAPITULATION.

Price per day.	No. days.	Amount.
At 105c	83½	\$877 67
" 97c	1,689½	1,638 79
" 93c	14,035	13,053 21
" 91c	7,358	6,695 75
" 90c	1,574	1,416 60
" 88c	3,284½	2,890 36
" 87½c	2,833	2,478 09
" 86c	7,676	6,601 36
" 85½c	12,499	10,720 73
" 85c	1,446	2,929 08
" 83c	920	763 55
" 81c	14,276	11,563 43
" 80½c	4,438½	3,561 84
" 80c	2,898½	2,318 80
" 76c	3,027	2,300 52
" 75c	7,377	5,532 73
" 73c	2,941	2,146 90
" 71c	10,339½	7,341 01
" 70c	90,103	63,072 10
" 65c	14,820½	9,633 28
" 52c	1,818	945 36
" 50c	9,108½	4,554 25
" 45c	21,839½	9,827 72
Totals	236,385½	\$172,073 13

Average price per day for the year, 72½ cents, nearly.

Detailed Statement of Cash Receipts for fiscal year ending October 31, 1871.

Date.	From whom and on what account received.	Visitors' fund.	Other sources.
1870.			
Nov. 1	From visitors	\$12 00	.....
2	" "	11 00	.....
3	" "	6 25	.....
4	" "	3 75	.....
5	" "	10 25	.....
7	" "	7 00	.....
8	" "	13 00	.....
9	" "	9 00	.....
10	" "	5 50	.....
11	" "	6 25	.....
12	" "	7 00	.....
14	" "	5 00	.....
15	" "	6 75	.....
16	" "	5 75	.....
17	" "	11 25	.....
18	" "	5 75	.....
19	" "	9 50	.....
21	" "	4 75	.....
22	" "	4 00	.....
23	" "	6 00	.....
25	" "	7 00	.....
26	" "	8 25	.....
28	" "	7 25	.....
29	" "	5 50	.....
30	" "	6 00	.....
30	" Ohio Tool Co., rags		\$2 50
30	" M. A. Lilley, hay scale		7 00
		\$183 75	\$9 50
Dec. 1	From visitors	\$5 00	.....
2	" "	6 00	.....
3	" "	8 75	.....
5	" "	4 00	.....
6	" "	4 25	.....
7	" "	2 75	.....
8	" "	6 00	.....
9	" "	6 75	.....
9	" prisoner as forfeited—thrown by visitor		\$ 18
10	" visitors	4 75	.....
12	" "	6 25	.....
13	" "	6 75	.....
14	" "	3 25	.....
15	" "	5 00	.....
16	" "	4 00	.....
17	" "	4 00	.....
19	" "	2 25	.....
20	" "	4 00	.....
21	" "	4 00	.....
22	" "	4 75	.....
23	" "	4 00	.....
24	" "	2 50	.....
26	" "	4 50	.....
27	" "	9 00	.....
28	" "	5 75	.....
29	" "	11 50	.....
30	" "	5 00	.....
31	" "	2 75	.....
31	" M. A. Lilley, weighing on hay scale		5 95
31	" D. G. Smith		50
31	" Ohio Butt Co		2 00

Detailed Statement of Cash Receipts—Continued..

Date.	From whom and on what account received.	Visitors' fund.	Other sources.
1870.			
Dec. 31	From Ayes, Mithoff, Dann & Co. ....	.....	\$1 00
31	" Daniel Otatot, bran .....	.....	5 31
31	" Bailey & Marple, caning chairs .....	.....	148 86
31	" N. B. Marple, bran .....	.....	1 15
31	" B. N. Beckley, bran .....	.....	3 11
31	" Jas. Patterson, saw-dust .....	.....	3 50
31	" Ayres, Mithoff, Dann & Co. ....	.....	2 00
31	" .....	.....	1 00
31	" Brown, Hinman & Co. ....	.....	5 00
31	" Joseph Quinn, bran .....	.....	1 00
31	" Wm. McDonald & Co., rags .....	.....	50
31	" P. Hayden .....	.....	36 07
31	" Jas. Patterson, saw-dust .....	.....	2 23
31	" E. McDonald .....	.....	1 50
		\$137 50	\$220 86
1871.			
Jan. 2	From visitors	\$9 00	.....
3	"	6 75	.....
4	"	9 25	.....
5	"	6 75	.....
6	"	5 50	.....
7	"	2 50	.....
9	"	3 75	.....
10	"	3 25	.....
11	"	3 25	.....
12	"	7 25	.....
13	"	6 00	.....
14	"	5 00	.....
16	"	2 50	.....
17	"	8 00	.....
18	"	2 50	.....
19	"	6 50	.....
20	"	8 75	.....
21	"	5 75	.....
23	"	5 75	.....
24	"	4 75	.....
25	"	4 00	.....
26	"	1 75	.....
27	"	5 25	.....
28	"	4 00	.....
30	"	4 25	.....
31	"	6 00	.....
31	" M. A. Lilley, weighing on hay-scale .....	.....	\$3 75
31	" Bailey & Marple, caning chairs .....	.....	128 41
31	" Jas. Patterson, saw-dust .....	.....	2 75
31	" Huff & Co. ....	.....	50
31	" Dwight & Gray .....	.....	28 56
31	" P. Hayden .....	.....	54 36
		\$138 00	\$218 33
Feb. 1	From visitors	\$4 25	.....
2	"	1 25	.....
3	"	6 00	.....
4	"	4 50	.....
6	"	8 50	.....
6	" prisoner, found in yard .....	.....	5
7	" visitors	3 00	.....
8	"	3 00	.....
9	"	3 75	.....
10	"	5 75	.....

Detailed Statement of Cash Receipts—Continued.

Date.	From whom and what account received.	Visitors' Fund.	Other sources.
1871.			
Feb. 11	From visitors	\$7 25	.....
13	" "	4 25	.....
14	" "	3 75	.....
15	" "	7 00	.....
16	" "	4 00	.....
17	" "	4 50	.....
18	" "	3 75	.....
20	" "	5 75	.....
21	" "	3 50	.....
22	" "	6 75	.....
23	" "	8 25	.....
24	" "	9 00	.....
25	" "	6 75	.....
27	" "	3 25	.....
28	" "	3 50	.....
28	" M. A. Lilley weighing on hay scale		\$3 25
28	" Ohio Tool Co.		2 50
28	" Jos. Quinn		2 50
28	" R. Riordan		1 25
28	" D. Otstot		2 08
28	" B. N. Beckley, bran		1 68
28	" N. B. Marple, bran		1 10
28	" Ohio Butt Co		4 50
28	" James Patterson, saw dust		2 25
28	" Bailey & Marple, caning chairs		127 77
28	" Geo. Caupron, forfeit		25
28	" Ohio Butt Co		2 00
28	" Wm. McDonald & Co.		50
28	" Jos. Quinn		11 50
28	" Geo. Goodwin		2 00
		\$118 25	\$165 18
March 1	From visitors	\$8 25	.....
2	" "	3 00	.....
3	" "	4 50	.....
4	" "	3 75	.....
6	" "	5 00	.....
7	" "	12 50	.....
8	" "	4 25	.....
9	" "	4 50	.....
10	" "	6 00	.....
11	" "	4 25	.....
13	" "	3 50	.....
14	" "	6 50	.....
15	" "	5 50	.....
16	" "	4 75	.....
17	" "	2 00	.....
18	" "	5 75	.....
20	" "	5 00	.....
21	" "	5 00	.....
22	" "	6 50	.....
23	" "	5 75	.....
24	" "	8 50	.....
25	" "	4 50	.....
27	" "	4 50	.....
28	" "	6 75	.....
29	" "	5 75	.....
30	" "	5 50	.....
31	" "	6 00	.....

Detailed Statement of Cash Receipts—Continued.

Date.	From whom and on what account received.	Visitors' fund.	Other sources.
1871			
Mar. 31	From M. A. Lilley, hay scale .....	.....	\$3 50
31	" Bailey & Marple, caning chairs .....	.....	129 57
31	" Daniel Otstot, bran .....	.....	5 24
31	" Jos. Quinn .....	.....	2 09
31	" James Patterson, sawdust .....	.....	1 75
31	" N. B. Marple, bran .....	.....	1 31
31	" Mrs. E. Thomas .....	.....	75
31	" Hayden & Son .....	.....	65 35
31	" Ayres .....	.....	27 54
31	" Ayres, Mithoff, Dann & Co. ....	.....	2 50
		\$147 75	\$239 60
April 1	From visitors	\$7 50	.....
3	"	5 25	.....
4	"	10 00	.....
5	"	4 25	.....
6	"	7 75	.....
7	"	7 00	.....
8	"	6 50	.....
10	"	10 25	.....
11	"	5 25	.....
12	"	3 25	.....
13	"	6 75	.....
14	"	4 50	.....
15	"	8 00	.....
17	"	4 75	.....
18	"	6 25	.....
19	"	5 00	.....
20	"	6 75	.....
21	"	5 50	.....
22	"	3 75	.....
24	"	3 75	.....
25	"	5 00	.....
26	"	16 75	.....
27	"	50	.....
28	"	3 50	.....
29	"	4 25	.....
29	From M. A. Lilley, hay scale .....	.....	12 50
29	" N. B. Marple, bran .....	.....	4 43
29	" D. Otstot, bran .....	.....	3 81
29	" S. Dezellum .....	.....	1 00
29	" Ohio Brush Co .....	.....	6 25
29	" Jas. Patterson, sawdust .....	.....	2 25
29	" P. Hayden & Son .....	.....	15 30
29	" Bailey & Marple, caning chairs .....	.....	154 31
		\$152 00	\$199 85
May 1	From visitors	\$51 25	.....
2	"	8 75	.....
3	"	2 50	.....
4	"	9 00	.....
5	"	6 25	.....
6	"	2 00	.....
8	"	5 25	.....
9	"	5 00	.....
10	"	4 00	.....
11	"	4 50	.....

Detailed Statement of Cash Receipts—Continued.

Date.	From whom and on what account received.	Visitors' Fund.	Other sources.
1871.			
May 11	From Robert Riordan, bread scraps and swill		\$100 00
11	" P. Hayden, leather waste		2 20
11	" Ayers, Mithoff, Dann & Co., moving lumber		7 00
11	" N. B. Marple, bran		95
11	" Bailey & Marple, caning chairs		129 54
11	" James Patterson, saw-dust		1 25
11	" P. Hayden & Son		28 03
12	" visitors	\$4 75	
13	" "	129 00	
15	" John Mouts, bones		32 83
15	" prisoner, as forfeit		55
15	" visitors	17 50	
16	" "	8 50	
16	" J. V. Bellar, old wagon		10 00
17	" visitors	15 25	
18	" "	11 25	
19	" "	75	
20	" "	6 50	
22	" "	3 00	
23	" "	8 25	
24	" "	8 25	
25	" "	8 00	
26	" "	6 00	
26	" Ohio Butt Co., old barrels		6 40
26	" Butler, Earhart & Co., old barrels		23 35
26	" J. T. Shufflin & Co., sacks		66 15
27	" visitors	3 00	
27	" R. Riordan, bread scraps and swill		20 00
29	" Brown, Hinman & Co., sand		1 25
29	" visitors	6 50	
30	" "	7 00	
31	" "	8 50	
31	" Bailey & Marple, caning chairs		229 79
31	" H. B. Moore, swill		46 00
31	" James Patterson, saw-dust		2 75
31	" M. A. Lilley, hay scale		4 00
31	" J. W. Shapter, bones		16 03
31	" D. Daugherty, board		55
31	" C. C. Smith, cow's hide		6 20
		\$356 50	\$734 82
June 1	From visitors	\$21 75	
2	" "	16 75	
3	" "	21 25	
3	" Huff & Monypeny, tallow		1 71
3	" John Murphy, sand		5 85
3	" D. G. Smith, sand		1 00
3	" E. M. McDonald, sand		75
5	" visitors	8 50	
6	" "	4 25	
7	" "	4 75	
8	" "	8 75	
9	" "	6 25	
10	" "	3 25	
12	" "	9 25	
13	" "	5 00	
14	" "	23 75	
15	" "	9 25	
16	" "	5 25	

Detailed Statement of Cash Receipts—Continued.

Date.	From whom and on what account received.	Visitors' Fund.	Other sources.
1871.			
June 17	From visitors	\$2 50	.....
19	" "	7 75	.....
20	" "	5 75	.....
20	" C. C. Smith, cow's hide.....		\$5 81
20	" Fred. Widows, sand		1 50
20	" David Price, sand		1 50
21	" visitors	18 25	.....
22	" "	9 00	.....
23	" "	3 00	.....
24	" "	2 75	.....
26	" "	7 75	.....
27	" "	8 00	.....
28	" " (Picnic, (\$13.20)).....	24 20	.....
29	" "	8 00	.....
30	" "	9 00	.....
30	" Bailey & Marple, caning chairs.....		233 88
30	" James Patterson, saw dust		3 25
30	" George Janton, old grease.....		330 20
30	" M. A. Lilley, hay scale		3 75
		\$253 95	\$589 20
July 1	From visitors	\$10 00	.....
3	" "	10 50	.....
4	" "	109 25	.....
5	" "	37 00	.....
6	" "	9 25	.....
7	" "	10 25	.....
8	" "	2 50	.....
10	" "	2 75	.....
11	" "	4 25	.....
12	" "	7 75	.....
13	" "	6 75	.....
14	" "	5 25	.....
15	" John Murphy, sand		\$4 60
15	" Montana Penitentiary (P. clothes).....		103 50
15	" John Moats, bones.....		7 75
15	" Huff & Co., tallow		1 33
15	" visitors	5 00	.....
17	" "	6 50	.....
18	" "	8 50	.....
19	" "	3 75	.....
20	" "	9 00	.....
21	" "	5 00	.....
22	" "	8 25	.....
24	" "	6 50	.....
25	" "	7 00	.....
26	" "	8 25	.....
27	" "	6 25	.....
28	" "	9 00	.....
29	" "	6 75	.....
31	" "	9 25	.....
31	" M. A. Lilley, hay scale		3 70
31	" Ohio Tool Co., sand		75
31	" R. Jones, sand		10 35
31	" James Patterson, saw dust		2 50
31	" Bailey & Marple, caning chairs.....		276 06
		\$314 50	\$410 54

Detailed Statement of Cash Receipts—Continued..

Date.	From whom and on what account received.	Visitors' Fund.	Other sources.
1871			
Aug. 1	From visitors	\$6 50	
2	" " pic-nic \$12.10	28 35	
3	" " "	8 75	
4	" " "	8 50	
5	" " "	8 00	
7	" " "	9 00	
8	" " "	5 00	
9	" " "	10 25	
10	" " "	12 75	
11	" " "	15 00	
12	" " "	14 00	
14	" " "	9 50	
15	" " "	12 25	
16	" " "	9 50	
17	" " "	8 75	
18	" " "	5 25	
19	" " pic-nic \$16.70	28 20	
21	" " "	13 00	
22	" " "	6 75	
22	John Grocer, sand		\$2 00
22	David Price, sand		5 00
22	Ed. Jaeger, old barrels		60
22	Williams & Lehman, scrap grease		115 50
22	Jacob Gall, manure		10 00
22	C. C. Smith, hide		8 40
23	visitors	9 00	
24	" "	8 00	
25	" "	3 75	
26	" "	4 00	
28	" "	4 00	
29	" "	6 50	
30	" "	5 75	
31	" "	5 50	
31	M. A. Lilley, weighing on scales		7 00
31	Phillip Euchman, bran		2 24
31	C. C. Smith, hide		8 62
31	Bailey & Marple, bran		5 92
31	Daniel Otstot, bran		8 52
31	Jas. Patterson, saw-dust		4 75
31	Bailey & Marple, caning chairs		228 90
31	Jno. Grocer, sand		23 00
31	P. Ambos, sand		3 00
31	Jno. Mock, sand		2 00
31	Jno. Miller, sand		1 00
31	Huff & Co., rags		50
31	Huff & Monypenny, tallow		1 20
		\$265 80	\$438 15
Sept. 1	From visitors	\$15 75	
2	" " "	7 75	
4	" " "	5 25	
5	" " "	11 50	
6	" " "	8 25	
7	" " "	9 50	
8	" " "	10 50	
9	" " "	6 50	
11	" " "	7 75	
12	" " "	8 00	
13	" " "	15 75	
14	" " "	6 00	

Detailed Statement of Cash Receipts—Continued.

Date.	From whom and on what account received.	Visitors' fund.	Other sources.
1871.			
Sept. 15	From visitors	\$7 50	.....
16	" "	2 50	.....
18	" "	11 00	.....
19	" "	9 00	.....
20	" "	14 75	.....
21	" "	8 75	.....
22	" "	7 50	.....
23	" "	7 25	.....
25	" "	8 00	.....
26	" "	15 25	.....
27	" "	8 50	.....
28	" "	14 00	.....
29	" "	22 50	.....
30	" "	11 50	.....
	" C. C. Smith, hide		\$6 25
	" John Smith, "		7 50
	" Williams & Lehman, grease		60 00
	" D. G. Smith, old barrel		50
	" R. Burr, lard		5 84
	" Wm. Arnold, lard		6 00
	" O. H. Newton, lard		3 52
	" J. W. McCan, bran		13 54
	" John Smith, hide		8 62
	" H. B. Moore, swill		20 00
	" " "		46 00
	" U. S. War Dept., box		1 00
	" Ohio Butt Co., rags		2 00
	" John Smith, hide		8 47
	" John Dorgan, bran		1 78
	" M. A. Lilley, hay scale		5 75
	" James Patterson, sawdust		3 50
	" D. McAlister, bran		16 21
	" Bailey & Marple, caning chairs		223 75
	" N. B. Marple, bran and corn		4 79
	" John Grocer, sand		5 00
	" David Price		7 00
	" C. Brickell, paper sacks		45
		\$260 50	\$457 47
Oct. 2	From visitors	\$4 25	.....
3	" "	8 50	.....
4	" "	17 75	.....
5	" "	9 00	.....
6	" "	6 75	.....
7	" "	6 50	.....
9	" "	10 25	.....
10	" "	8 00	.....
11	" "	5 75	.....
12	" "	13 50	.....
13	" "	9 25	.....
14	" "	7 25	.....
16	" "	5 00	.....
17	" "	8 75	.....
18	" "	8 50	.....
19	" "	9 75	.....
20	" "	6 25	.....
21	" "	6 00	.....
23	" "	7 75	.....
24	" "	7 75	.....

Detailed Statement of Cash Receipts—Continued.

Date.	From whom and on what account received.	Visitors' Fund.	Other sources.
1871.			
Oct. 25	From visitors	\$11 75	-----
26	" "	8 50	-----
27	" "	5 25	-----
28	" "	5 50	-----
30	" "	10 75	-----
31	" "	4 50	-----
	" R. Strauss, hides		\$130 83
	" A. D. Huff, tallow		1 12
	" D. Otstot, bran		3 38
	" H. J. Dickerman, lard		37 76
	" M. A. Lilley, hay scale		17 55
	" Shuffin & Co., paper sacks		15 78
	" Bailey & Marple, caning chairs		150 15
	" N. B. Marple, bran		6 94
	" Jas. Patterson, saw-dust		2 50
	" D. McAllister, bran		17 41
	" Williams & Lehman		153 54
	" T. Lough		7 10
		\$212 75	\$544 06

Recapitulation—Cash Receipts.

	Visitors' Fund.	Other sources.
Receipts for the month of November, 1870.....	\$183 75	\$9 50
“ “ December, “	137 50	220 86
“ “ January, 1871	138 00	218 33
“ “ February, “	118 25	165 18
“ “ March, “	147 75	239 60
“ “ April, “	152 00	199 85
“ “ May, “	356 50	734 82
“ “ June, “	253 95	589 20
“ “ July, “	314 50	410 54
“ “ August, “	265 80	438 15
“ “ September, “	260 50	457 47
“ “ October, “	212 75	544 06
Total	\$2,541 25	\$4,227 56

Total Receipts and Earnings, certified to the Auditor of State, during the year, for collection.

Amount due from contractors for convict labor.....	\$172,073 13
“ “ United States, keeping civil prisoners.....	2,901 84
“ “ “ military prisoners.....	2,155 25
“ “ Warden on account of Visitors' Fund.....	2,541 25
“ “ “ sales, etc.....	4,227 56
	<hr/> \$183,899 03

Detailed Statement of Expenditures on account of the Ohio Penitentiary, from appropriations for General Expenses and Special Appropriations, for the year ending Oct. 31st, 1871.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
NOVEMBER, 1870.				
1	R. Burr	Salary as Warden	\$166 67	
2	J. A. Dean	" Dep. Warden	150 00	
3	O. H. Newton	" Chaplain	125 00	
4	R. A. McIntire	" Steward	125 00	
5	C. V. Hamer	" Asst. Clerk	66 67	
6	Geo. Cunningham	" Capt. Night-watch	75 00	
7	H. A. Clark	" Supt. Hospital	75 00	
8	Wm. Arnold	" " Kitchen	75 00	
9	S. S. Desellem	" " State Shops	75 00	
10	N. Gay	" Physician	66 67	
11	Sam'l Boyle	" Guard	65 00	
12	C. R. Bethel	" "	65 00	
13	Geo. Brodrick	" "	65 00	
14	B. W. Botaford	" "	65 00	
15	A. Baldwin	" "	65 00	
16	M. Cunningham	" "	65 00	
17	Sam'l Crane	" "	65 00	
18	Jno. Crane	" "	65 00	
19	B. W. Curtis	" "	65 00	
20	J. A. F. Cellar	" "	65 00	
21	B. F. Durbin	" "	65 00	
22	Fred'k Decker	" "	65 00	
23	Wm. Dean	" "	65 00	
24	J. A. Dean, Jr.	" "	65 00	
25	R. S. Duden	" "	65 00	
26	O. P. Duval	" "	65 00	
27	D. Dougherty	" "	65 00	
28	W. F. Everett	" "	65 00	
29	D. Fitzwater	" "	65 00	
30	H. A. Farmer	" "	65 00	
31	N. P. Finley	" "	45 00	
32	Frank Griffiths	" "	65 00	
33	C. Glaas	" "	65 00	
34	T. D. Groves	" "	65 00	
35	A. H. Goodwin	" "	65 00	
36	Wm. Ginder	" "	65 00	
37	J. W. Gillies	" "	65 00	
38	J. Haering	" "	65 00	
39	C. W. Hudson	" "	65 00	
40	D. Hicks	" "	65 00	
41	J. D. Jones	" "	65 00	
42	R. D. Jones	" "	65 00	
43	E. A. Jones	" "	65 00	
44	G. W. Johnson	" "	65 00	
45	L. Kilbourn	" "	65 00	
46	D. Kelley	" "	65 00	
47	M. A. Lilley	" "	65 00	
48	Sarah Lewis	" "	45 00	
49	O. B. McAdams	" "	65 00	
50	E. B. Marshall	" "	65 00	
51	L. Morgan	" "	65 00	
52	H. W. Newell	" "	65 00	
53	C. Niernmann	" "	65 00	
54	W. A. Overholser	" "	65 00	
55	T. J. Outcalt	" "	65 00	

Detailed Statement of Expenditures—Continued.

No of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
56	A. J. Outcalt	Salary as Guard	\$65 00	.....
57	T. C. Platt	" "	65 00	.....
58	J. Pritchard	" "	65 00	.....
59	G. W. Roby	" "	65 00	.....
60	D. Sparks	" "	65 00	.....
61	W. W. Rhoades	" "	65 00	.....
62	J. R. Spencer	" "	65 00	.....
63	W. M. Smith	" "	65 00	.....
64	E. B. Slaughter	" "	65 00	.....
65	Mary Syler	" "	45 00	.....
66	Chas. Snyder	" "	65 00	.....
67	C. Tufts	" "	65 00	.....
68	J. S. Tufts	" "	65 00	.....
69	A. R. Ticknor	" "	65 00	.....
70	J. W. Ulem	" "	65 00	.....
71	John Uncles	" "	65 00	.....
72	J. Q. Vincent	" "	65 00	.....
73	A. Vincent	" "	65 00	.....
74	J. E. Watson	" "	65 00	.....
75	Ed. West	" "	65 00	.....
76	W. Newton	" "	65 00	.....
77	J. B. Rusk	Fresh beef	787 39	.....
78	John Peak	Mutton	432 41	.....
79	Worthing & Miller	Flour	431 25	.....
80	Shufflin & Co.	"	431 25	.....
81	Geo. Distlehorst	Vegetables	296 59	.....
82	Isaac Eberly & Co.	Cheese	145 20	.....
83	James Patterson	Potatoes	141 85	.....
84	Brooks & Houston	Molasses, &c.	137 93	.....
85	Cox & Co.	Salt beef	138 67	.....
86	Butler, Earhart & Co.	Coffee, rice, &c.	106 85	.....
87	P. N. Gray	Potatoes	93 25	.....
88	W. A. Mahony	Beans and cider	78 55	.....
89	Ed. Jaeger	Cabbage	63 90	.....
90	Geo. F. Wheeler	Molasses	35 28	.....
91	T. J. Hopper	Apples	33 00	.....
92	J. O'B. Rennick	Pumpkins	32 32	.....
93	R. Main	Bbl. sugar	30 67	.....
94	David Vanloon	Beans	29 81	.....
95	Jon. Stoner	Apple-butter	130 00	.....
96	C. Markel	"	32 25	.....
97	Wm. Caldwell	"	27 50	.....
98	Eli Stoner	"	26 00	.....
99	John Poorman	"	24 75	.....
100	Chas. Cromwell	Turnips	15 46	.....
101	Jacob Reeb	Pumpkins	15 06	.....
102	J. H. Barcus & Co.	Groceries	489 16	.....
103	Brooks, Merion & Co.	"	288 57	.....
104	Geo. McDonald & Co.	"	179 13	.....
105	C. L. Clark	Yarn	350 00	.....
106	Miller, Green & Joyce	Sundries	238 95	.....
107	C. C. Smith	Leather	167 74	.....
108	J. Greenleaf & Co.	Sundries	136 44	.....
109	J. W. Constans	Leather	78 51	.....
110	Wm. Nowell	Ashes	10 20	.....
111	Osborn, Kershaw & Co.	Cocoa-matting, &c.	117 52	.....
112	P. Hayden	Coal	267 49	.....
113	Col. Gas Light & Coke Co.	Gas	376 13	.....
114	same	Gas	88 21	.....
115	Chas. Huston	Medicines	288 80	.....
116	A. Ritson	"	190 33	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
117	Braum & Bruck	Medicines	\$180 79	.....
118	S. E. Samuel	"	99 85	.....
119	Thrall & Roby	"	81 22	.....
120	Ayres, Mithoff, Dann & Co.	Error in convict labor	361 00	.....
121	H. Mithoff & Co.	Hardware	126 73	.....
122	McCune, Mithoff & Co	"	9 75	.....
123	D. A. Newton & Co	Choppers	84 00	.....
124	W. H. & D. M. Akin	Sundries	37 20	.....
125	T. Knox	Horse shoeing	36 50	.....
126	Wm. Quinn	Freight and drayage	20 53	.....
127	Wm. McDonald	Plow	20 00	.....
128	C. C. C. & I. Railway Co	Transportation	16 55	.....
129	same	"	14 45	.....
130	L. M. Railway Co	Freight	19 50	.....
131	same	"	4 50	.....
132	Tress & Harrington	Spectacles and clock	8 75	.....
133	R. D. Evans	Soldering furnace	5 00	.....
134	Jas. Williams	Notary fees	2 40	.....
135	Jelleff & DeButts	Sewing machine crank	2 00	.....
136	Cincinnati Gazette Co	Advertising proposals	10 00	.....
137	Geo. W. Gleason	Blank books, etc	169 20	.....
138	Convicts discharged .....	.....	365 00	.....
139	T. S. Fuller	Milk	145 60	.....
140	G. Weinman & Co	Sundries .....	.....	\$1,060 41
141	Hersbiser, Adams & Co	Lumber .....	.....	264 96
142	A. Hildreth & Co .....	" .....	.....	186 06
143	H. Mithoff & Co	Sundries .....	.....	137 05
144	McCune, Mithoff & Co	Hardware .....	.....	136 80
145	Jno. Field	Lumber .....	.....	132 80
146	Stitt, Price & Co	Lime .....	.....	112 50
147	L. Huffman	Drove wells .....	.....	100 00
148	J. H. Hafford	Salary .....	.....	120 00
149	H. M. Thompson .....	" .....	.....	65 00
150	Jno. Scheaf .....	" .....	.....	65 00
151	Jno. Nelson .....	" .....	.....	65 00
152	A. Isler .....	" .....	.....	65 00
153	Morris, Tasker & Co	Dies and taps .....	.....	88 85
154	Columbus Sewer Pipe Co .....	.....	.....	30 00
155	Kaunmacher, Gardier & Co	Brick .....	.....	27 50
156	Bomm & Field	Coping stone .....	.....	23 84
157	J. & G. Butler	Plaster paris .....	.....	8 19
158	Ganon & Williams	Bolts and bars .....	.....	6 84
159	Jas. Andrew	Sundries .....	.....	4 54
160	J. B. & T. Gibson	Gum washers .....	.....	3 00
161	McCune, Mithoff & Co	Hardware .....	.....	110 73
162	Chas. E. Burr	Copying Directors' Report	10 00	.....
163	C. N. Olds	Professional services	125 00	.....
164	A. Allgire	Husks	38 73	.....
165	A. Evans	"	32 81	.....
166	W. Burt	Hay	34 00	.....
167	C. N. Overlin	Vinegar	46 20	.....
DECEMBER, 1870.			\$14,321 65	\$2,814 07
168	R. Burr	Salary as Warden	166 67	.....
169	J. A. Dean	" Deputy Warden	150 00	.....
170	O. H. Newton	" Chaplain	125 00	.....
171	R. A. McIntire	" Steward	125 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
172	C. V. Hamer.....	Salary as Assistant Clerk....	\$66 67	.....
173	Geo. Cunningham.....	" Captain N. Watch.....	75 00	.....
174	H. A. Clark.....	" Sup't hospital.....	75 00	.....
175	Wm. Arnold.....	" " kitchen.....	75 00	.....
176	S. S. Deselle.....	" " State Shop.....	75 00	.....
177	N. Gay.....	" Physician.....	66 67	.....
178	Sam'l Boyle.....	" Guard.....	65 00	.....
179	C. R. Bethel.....	" ".....	65 00	.....
180	Geo. Brodrick.....	" ".....	65 00	.....
181	B. W. Botsford.....	" ".....	65 00	.....
182	A. Baldwin.....	" ".....	65 00	.....
183	M. Cunningham.....	" ".....	65 00	.....
184	Sam'l Crane.....	" ".....	65 00	.....
185	John Crane.....	" ".....	65 00	.....
186	B. W. Curtis.....	" ".....	65 00	.....
187	J. A. F. Cellar.....	" ".....	65 00	.....
188	B. F. Durbin.....	" ".....	65 00	.....
189	Fred. Decker.....	" ".....	65 00	.....
190	Wm. Dean.....	" ".....	65 00	.....
191	J. A. Dean, Jr.....	" ".....	65 00	.....
192	R. S. Duden.....	" ".....	65 00	.....
193	O. P. Duval.....	" ".....	65 00	.....
194	D. Dougherty.....	" ".....	65 00	.....
195	W. F. Everett.....	" ".....	65 00	.....
196	D. Fitzwater.....	" ".....	65 00	.....
197	H. A. Farmer.....	" ".....	65 00	.....
198	N. P. Finley.....	" ".....	45 00	.....
199	F. Griffiths.....	" ".....	65 00	.....
200	C. Glass.....	" ".....	65 00	.....
201	T. D. Groves.....	" ".....	65 00	.....
202	A. H. Goodwin.....	" ".....	65 00	.....
203	Wm. Ginder.....	" ".....	65 00	.....
204	J. W. Gillies.....	" ".....	65 00	.....
205	J. Haering.....	" ".....	65 00	.....
206	C. W. Hudson.....	" ".....	65 00	.....
207	D. Hicks.....	" ".....	65 00	.....
208	A. Isler.....	" ".....	65 00	.....
209	J. D. Jones.....	" ".....	65 00	.....
210	R. D. Jones.....	" ".....	65 00	.....
211	E. A. Jones.....	" ".....	65 00	.....
212	G. W. Johnson.....	" ".....	65 00	.....
213	L. Kilbourne.....	" ".....	65 00	.....
214	D. Kelly.....	" ".....	65 00	.....
215	M. A. Lilley.....	" ".....	65 00	.....
216	S. Lewis.....	" ".....	45 00	.....
217	O. B. McAdams.....	" ".....	65 00	.....
218	E. B. Marshall.....	" ".....	65 00	.....
219	L. Morgah.....	" ".....	65 00	.....
220	Jno. Nelson.....	" ".....	65 00	.....
221	H. W. Newell.....	" ".....	65 00	.....
222	C. Niermann.....	" ".....	65 00	.....
223	W. A. Overholser.....	" ".....	65 00	.....
224	T. J. Outcalt.....	" ".....	65 00	.....
225	A. J. Outcalt.....	" ".....	65 00	.....
226	T. C. Platt.....	" ".....	65 00	.....
227	J. Pritchard.....	" ".....	65 00	.....
228	G. W. Roby.....	" ".....	65 00	.....
229	W. W. Rhoades.....	" ".....	65 00	.....
230	D. Sparks.....	" ".....	65 00	.....
231	J. R. Spencer.....	" ".....	65 00	.....
232	W. M. Smith.....	" ".....	65 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
233	John Scheaf.....	Salary as Guard.....	\$65 00	.....
234	E. B. Slaughter.....	" ".....	65 08	.....
235	M. Syler.....	" ".....	45 00	.....
236	Chas. Snyder.....	" ".....	65 00	.....
237	H. M. Thompson.....	" ".....	65 00	.....
238	C. Tufts.....	" ".....	65 00	.....
239	J. S. Tufts.....	" ".....	65 00	.....
240	A. R. Ticknor.....	" ".....	65 00	.....
241	J. W. Ulem.....	" ".....	65 00	.....
242	Jno. Uncles.....	" ".....	65 00	.....
243	J. Q. Vincent.....	" ".....	65 00	.....
244	A. Vincent.....	" ".....	65 00	.....
245	J. E. Watson.....	" ".....	65 00	.....
246	Ed. West.....	" ".....	65 00	.....
247	Walter Newton.....	" ".....	65 00	.....
248	E. Barcus & Co.....	Fresh pork.....	1,814 24	.....
249	J. B. Rusk.....	" " and beef.....	1,457 73	.....
250	John Peak.....	" " mutton.....	206 55	.....
251	Cox & Co.....	" " salt beef.....	199 59	.....
252	J. F. Longman.....	" ".....	128 64	.....
253	Jos. Mock.....	" ".....	113 98	.....
254	Conrad Fey.....	" ".....	95 04	.....
255	Jno. Audrix.....	" ".....	81 44	.....
256	Fred. Welling.....	" ".....	79 56	.....
257	G. W. Brown.....	" ".....	42 36	.....
258	G. Phinney.....	" ".....	19 97	.....
259	Casper Raules.....	" ".....	19 60	.....
260	E. Gerbert.....	" ".....	18 76	.....
261	E. Miller.....	" ".....	18 35	.....
262	Chas. Rench.....	" ".....	16 28	.....
263	J. W. Phinney.....	" ".....	11 68	.....
264	Jos. Mock.....	" ".....	9 86	.....
265	E. Looker.....	" ".....	8 84	.....
266	T. S. Fuller.....	Milk.....	159 40	.....
267	Shudin & Co.....	Flour.....	856 75	.....
268	Worthing & Miller.....	" ".....	287 50	.....
269	Whitehurst, Gehm & Co.....	" ".....	137 50	.....
270	Butler, Earhart & Co.....	Coffee and cheese.....	120 03	.....
271	Geo. McDonald & Co.....	Hominy.....	91 14	.....
272	J. H. McColm.....	Butter.....	62 50	.....
273	I. Eberly & Co.....	Rice.....	55 12	.....
274	Jamison, Gardner & Burt.....	Syrup.....	32 04	.....
275	E. McDonald.....	Corn.....	244 00	.....
276	J. McGuffey.....	" ".....	174 35	.....
277	R. Hamilton.....	" ".....	162 35	.....
278	A. Evans.....	" ".....	26 55	.....
279	J. Haglar.....	" ".....	10 56	.....
280	G. Keilwine.....	" ".....	7 42	.....
281	Peter Horst.....	Apple butter.....	31 50	.....
282	Wm. Tress.....	Apples.....	30 00	.....
283	Geo. Distlehorst.....	Turnips.....	20 00	.....
284	Brooks, Merion & Co.....	Groceries.....	392 93	.....
285	J. H. Barcus & Co.....	" ".....	225 56	.....
286	J. Greenleaf & Co.....	Dry goods, etc.....	246 23	.....
287	Miller, Green & Joyce.....	" ".....	74 68	.....
288	Patterson & Meek.....	Leather.....	204 48	.....
289	J. W. Constans.....	" ".....	140 80	.....
290	John Hayes.....	" ".....	118 72	.....
291	C. C. Smith.....	" ".....	63 00	.....
292	J. E. Rudisill.....	Hats.....	71 37	.....
293	A. Evans.....	Corn husks.....	27 12	.....

Detailed Statement of Expenditures—Continued.

No. of voucher.	To whom paid.	On what account.	General expenses.	Special appropriation.
294	P. N. Gray.....	Corn husks.....	\$3 11	
295	P. Hayden.....	Coal.....	584 50	
296	Col. Gas Light and Coke Co.....	Gas.....	370 82	
297	same.....	".....	235 40	
298	P. Rhodes & Co.....	Oil.....	11 13	
299	A. Ritson.....	Medicines.....	68 10	
300	Thrall & Roby.....	".....	28 76	
301	Kilbourne, Jones & Co.....	Hardware.....	115 17	
302	J. L. Gill.....	".....	79 50	
203	W. A. Gill & Son.....	".....	4 23	
304	C. Siebert.....	Repairing revolvers.....	10 05	
305	Wm. Sumner & Co.....	Sewing machine.....	67 00	
306	C. C. C. & I. Ry.....	Transportation.....	18 50	
307	L. M. Ry.....	".....	4 00	
308	Wm. Quinn.....	Freight and drayage.....	17 03	
309	J. G. Beal.....	Drayage.....	7 50	
310	Martin Henrick.....	Straw.....	7 00	
311	Jelleff & DeButts.....	Brass springs.....	3 00	
312	J. M. Comly, P. M.....	Postage, etc.....	61 46	
313	Comly & Smith.....	Printing and advertising.....	78 00	
314	Nevins & Medary.....	".....	28 00	
315	Wm. G. Dunn & Co.....	Dry goods, etc.....	91 45	
316	Randall, Aston & Co.....	Sundries.....	45 97	
317	Halm, Bellows & Butler.....	".....	27 20	
318	C. W. Hess.....	Hay.....	22 07	
319	Convicts discharged.....		569 00	
320	Randall, Aston & Co.....	Books.....		\$24 66
321	Sutton & Scott.....	".....		308 17
322	W. Tract and B. Society.....	Subscription.....		40 00
323	W. M. Book Concern.....	".....		17 50
324	Y. M. C. A.....	".....		12 20
325	J. S. Hudson.....	Book.....		2 00
326	J. H. Hafford.....	Salary.....		* 120 00
327	Smith & Price.....	Stone.....		69 72
328	same.....	Stone for new wall.....		2,220 00
329	P. Hayden & Son.....	Hardware.....		434 02
330	John Peak.....	Pork.....	71 60	
331	D. D. Bates.....	Reward.....	50 00	
332	Albert Case.....	Butter.....	15 90	
333	Enos Griss.....	Reward.....	5 00	
334	Kilbourne, Jones & Co.....	Hardware.....		77 49
335	Wm. Nowell.....	Ashes.....	5 88	
JANUARY, 1871.			\$16,617 43	\$3,325 76
336	R. Burr.....	Salary as Warden.....	\$166 66	
337	J. A. Dean.....	" Deputy Warden.....	150 00	
338	O. H. Newton.....	" Chaplain.....	125 00	
339	R. A. McIntire.....	" Steward.....	125 00	
340	C. V. Hamer.....	" Asst. Clerk.....	68 66	
341	G. Cunningham.....	" Capt. Night Watch.....	95 16	
342	H. A. Clark.....	" Supt. Hospital.....	75 00	
343	Wm. Arnold.....	" Supt. Kitchen.....	75 00	
344	S. S. Desellem.....	" Supt. State Shop.....	75 00	
345	N. Gay.....	" Physician.....	80 10	
346	S. Boyle.....	" Guard.....	65 00	
347	G. Brodrick.....	" ".....	65 00	
348	B. W. Botsford.....	" ".....	65 00	
349	A. Baldwin.....	" ".....	65 00	
350	M. Cunningham.....	" ".....	65 00	
351	S. Crane.....	" ".....	65 00	

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
352	John Crane.....	Salary as guard.....	\$65 00	.....
353	B. W. Curtis.....	" ".....	65 00	.....
354	J. F. Cellar.....	" ".....	65 00	.....
355	F. Decker.....	" ".....	65 00	.....
356	Wm. Dean.....	" ".....	65 00	.....
357	J. A. Dean, jr.....	" ".....	65 00	.....
358	R. S. Duden.....	" ".....	65 00	.....
359	O. P. Duval.....	" ".....	65 00	.....
360	D. Dougherty.....	" ".....	65 00	.....
361	W. F. Everett.....	" ".....	65 00	.....
362	D. Fitzwater.....	" ".....	65 00	.....
363	H. A. Farmer.....	" ".....	65 00	.....
364	N. P. Finley.....	" ".....	49 03	.....
365	F. Griffiths.....	" ".....	65 00	.....
366	C. Glass.....	" ".....	65 00	.....
367	T. D. Groves.....	" ".....	65 00	.....
368	A. H. Goodwin.....	" ".....	65 00	.....
369	Wm. Ginder.....	" ".....	65 00	.....
370	J. W. Gillies.....	" ".....	65 00	.....
371	J. Haering.....	" ".....	65 00	.....
372	C. W. Hndson.....	" ".....	65 00	.....
373	David Hicks.....	" ".....	65 00	.....
374	A. Isler.....	" ".....	65 00	.....
375	J. D. Jones.....	" ".....	65 00	.....
376	R. D. Jones.....	" ".....	65 00	.....
377	E. A. Jones.....	" ".....	65 00	.....
378	G. W. Johnson.....	" ".....	65 00	.....
379	L. Kilbourne.....	" ".....	65 00	.....
380	D. Kelley.....	" ".....	65 00	.....
381	M. A. Lilley.....	" ".....	65 00	.....
382	S. Lewis.....	" ".....	49 03	.....
384	O. B. McAdams.....	" ".....	65 00	.....
385	L. Morgan.....	" ".....	65 00	.....
386	W. Newton.....	" ".....	65 00	.....
387	John Nelson.....	" ".....	65 00	.....
388	H. W. Newell.....	" ".....	65 00	.....
389	C. Niermann.....	" ".....	65 00	.....
390	W. A. Overholser.....	" ".....	65 00	.....
391	T. J. Outcalt.....	" ".....	65 00	.....
392	A. J. Outcalt.....	" ".....	65 00	.....
393	T. C. Platt.....	" ".....	65 00	.....
394	J. Pritchard.....	" ".....	65 00	.....
395	G. W. Roby.....	" ".....	65 00	.....
396	W. W. Rhodes.....	" ".....	65 00	.....
397	D. Sparks.....	" ".....	65 00	.....
398	J. R. Spencer.....	" ".....	65 00	.....
399	W. M. Smith.....	" ".....	65 00	.....
400	John Scheaf.....	" ".....	65 00	.....
401	E. B. Slaughter.....	" ".....	65 00	.....
402	M. Syler.....	" ".....	49 03	.....
403	Chas. Snyder.....	" ".....	65 00	.....
404	H. M. Thompson.....	" ".....	65 00	.....
405	C. Tufts.....	" ".....	65 00	.....
406	J. S. Tufts.....	" ".....	65 00	.....
407	A. R. Ticknor.....	" ".....	65 00	.....
408	J. W. Ulem.....	" ".....	65 00	.....
409	John Uncles.....	" ".....	65 00	.....
410	J. Q. Vincent.....	" ".....	65 00	.....
411	A. Vincent.....	" ".....	65 00	.....
412	J. E. Watson.....	" ".....	65 00	.....
413	Ed. West.....	" ".....	65 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriation.
414	James L. Bates	Services as Director	\$135 00	.....
415	George Harsh	" "	127 00	.....
416	.....	.....	.....	.....
417	J. B. Rusk	Fresh and salt meat	2,464 30	.....
418	Wm. Cox & Co.	Fresh pork	574 00	.....
419	E. Barcus & Co.	"	210 88	.....
420	John Peak	"	93 68	.....
421	same	"	86 32	.....
422	Joseph Mock	"	80 48	.....
423	Huff & Co	Pork barrels	307 25	.....
424	Theo. Keiswetter	Livers, hearts, etc.	24 39	.....
425	Zettler & Ryan	Turnips	68 55	.....
426	T. S. Fuller	Sweet and sour milk	167 40	.....
427	C. P. Jackson	Corn	189 03	.....
428	J. McGuffey	"	64 40	.....
429	Butler, Earhart & Co.	Pepper and cheese	71 53	.....
430	I. Eberly & Co	Groceries	241 47	.....
431	Worthing & Miller	Flour	575 00	.....
432	Shuffin & Co	"	126 04	.....
433	Brooks, Walker & Co.	Groceries	100 79	.....
434	C. L. Clark	Yarn	942 50	.....
435	Thos. Wilson	"	75 00	.....
436	A. Allgire	Husks	32 03	.....
437	Lewis Carhart	Leather	56 00	.....
438	C. C. Smith	"	57 00	.....
439	J. W. Constans	" and findings	85 75	.....
440	J. Greenleaf & Co	Ticking	134 12	.....
441	Osborn, Kershaw & Co	Sundries (dry goods)	159 97	.....
442	J. Greenleaf & Co	Dry goods	332 75	.....
443	P. Hayden	Coal	1,035 50	.....
444	Wm. Earl	Wood	199 50	.....
445	J. M. & W. Westwater	Sundries	92 65	.....
446	Columbus Gas L't & Coke Co.	Gas	297 07	.....
447	same	"	297 66	.....
448	Fearn & Jackson	Whisky	102 50	.....
449	C. Huston	Medicines	142 30	.....
450	Thrall & Roby	"	89 14	.....
451	Braun & Bruck	"	83 33	.....
452	A. Ritsen	"	74 18	.....
453	Y. Miles	Groceries	8 08	.....
454	S. M. Smith, M.D.	Services	7 00	.....
455	McCune, Mithoff & Co	Hardware	322 53	.....
456	Ayres, Mithoff, Dann & Co.	Sundries	46 52	.....
457	H. Mithoff & Co	Hardware	13 96	.....
458	Ohio Tool Co	Steam power	74 22	.....
459	Bailey & Marple	Sundries	30 81	.....
460	Wm. Quinn	Drayage	4 00	.....
461	Wm. Burdell	Harness	8 25	.....
462	G. W. Cushman	Harness leather	1 00	.....
463	J. M. Comly	Postage and drawer rent	42 39	.....
464	Cincinnati Gazette Co	Advertising proposals	10 00	.....
465	J. E. McDowell	Hay	20 37	.....
466	C. W. Hess	Oats	26 32	.....
467	B. Sheiser	"	96 43	.....
468	Convicts discharged .....	.....	296 00	.....
469	Columbus Machine Co	Sundries .....	.....	\$2,149 69
470	G. Weinman & Co .....	" .....	.....	1,695 43
471	A. Hildreth	Lumber .....	.....	321 62
472	H. Mithoff & Co	Hardware .....	.....	12 36
473	Aston, Taylor & Huff .....	" .....	.....	80 50

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
474	J. H. Hafford	Salary .....	.....	\$65 00
475	Hershiser, Adams & Co	Lumber .....	.....	34 64
476	McCune, Mithoff & Co	Hardware .....	.....	17 62
477	Geo. Potts & Son	Sundries .....	.....	7 31
478	W. U. Tel. Co.	Telegrams .....	.....	6 90
FEBRUARY, 1871.			\$16,425 77	\$4,484 17
479	R. Burr	Salary as Warden	\$166 67	.....
480	J. A. Dean	" Deputy Warden	150 00	.....
481	O. H. Newton	" Chaplain	125 00	.....
482	R. A. McIntire	" Steward	125 00	.....
483	C. V. Hamer	" Assistant Clerk	66 67	.....
484	Geo. Cunningham	" Capt. Night-Watch	100 00	.....
485	N. Gay	" Physician	83 34	.....
486	H. A. Clark	" Supt. Hospital	75 00	.....
486	Wm. Arnold	" Kitchen	75 00	.....
487	S. S. Desselem	" State Shop	75 00	.....
488	J. Haering	" Officer in G. R	75 00	.....
489	S. Boyle	" Guard	65 00	.....
490	G. Brodrick	"	65 00	.....
491	B. W. Botaford	"	65 00	.....
492	A. Baldwin	"	65 00	.....
493	M. Cunningham	"	65 00	.....
494	S. Crane	"	65 00	.....
495	Jno. Crane	"	65 00	.....
496	B. W. Curtis	"	65 00	.....
497	J. F. Cellar	"	65 00	.....
498	F. Decker	"	65 00	.....
499	Wm. Dean	"	65 00	.....
500	J. A. Dean, Jr.	"	65 00	.....
501	R. S. Duden	"	65 00	.....
502	O. P. Duval	"	65 00	.....
503	D. Dougherty	"	65 00	.....
504	W. F. Everett	"	65 00	.....
505	D. Fitzwater	"	65 00	.....
506	H. A. Farmer	"	65 00	.....
507	N. P. Finley	"	65 00	.....
508	F. Griffiths	"	50 00	.....
509	Chas. Glas	"	65 00	.....
510	T. D. Grovis	"	65 00	.....
511	A. H. Goodwin	"	65 00	.....
512	Wm. Ginder	" State Shop	65 00	.....
513	J. W. Gillies	"	65 00	.....
514	C. W. Hudson	"	65 00	.....
515	D. Hicks	"	65 00	.....
516	A. Isler	"	65 00	.....
517	J. D. Jones	"	65 00	.....
518	R. D. Jones	"	65 00	.....
519	E. A. Jones	"	65 00	.....
520	G. W. Johnson	"	65 00	.....
521	L. Kilbourne	"	65 00	.....
522	D. Kelley	"	65 00	.....
523	M. A. Lilley	"	65 00	.....
524	Sarah Lewis	"	50 00	.....
525	O. B. McAdams	"	65 00	.....
526	E. B. Marshall	"	65 00	.....
527	L. Morgan	"	65 00	.....
528	W. Newton	"	65 00	.....
529	Jno. Nelson	"	65 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
530	H. W. Newell	Salary as Guard	\$65 00	.....
531	W. A. Overholser	" "	65 00	.....
532	T. J. Outcalt	" "	65 00	.....
533	A. J. Outcalt	" "	65 00	.....
534	T. C. Platt	" "	65 00	.....
535	J. Pritchard	" "	65 00	.....
536	G. W. Roby	" "	65 00	.....
537	W. W. Rhodes	" "	65 00	.....
538	D. Sparks	" "	65 00	.....
539	J. R. Spencer	" "	65 00	.....
540	W. M. Smith	" "	65 00	.....
541	Jno. Scheaf	" "	65 00	.....
542	E. B. Slaughter	" "	65 00	.....
543	Mary Syler	" "	50 00	.....
544	Chas. Snyder	" "	65 00	.....
545	H. M. Thompson	" "	65 00	.....
546	C. Tufts	" "	65 00	.....
547	J. S. Tufts	" "	65 00	.....
548	A. R. Ticknor	" "	65 00	.....
549	J. W. Ulem	" "	65 00	.....
550	Jno. Uncles	" "	65 00	.....
551	J. Q. Vincent	" "	65 00	.....
552	A. Vincent	" "	65 00	.....
553	J. E. Watson	" "	65 00	.....
554	Ed. West	" "	65 00	.....
555	J. B. Rusk	Fresh and salt beef	1,401 35	.....
556	Brooks, Walker & Co.	Groceries	236 70	.....
557	Shufin & Co.	Flour	531 00	.....
558	J. H. Barcus & Co.	Groceries	194 12	.....
559	T. S. Fuller	Milk	142 60	.....
560	Butler, Earhart & Co.	Coffee, &c	40 50	.....
561	Y. Miles	Sugar	31 20	.....
562	John B. Shilling	Apple-butter	25 50	.....
563	Wm. Bemer	"	25 50	.....
564	Jno. W. Oberlin	"	25 50	.....
565	G. F. Wheeler	Baking powder	1 65	.....
566	J. W. Constans	Leather and findings	265 75	.....
567	Lewis Carhart	"	60 00	.....
568	C. C. Smith	"	56 00	.....
569	John Hayes	"	13 99	.....
570	Stewart & Grimes	Cotton warp, &c	63 40	.....
571	Miller, Green & Joyce	Dry goods	117 19	.....
572	J. Greenleaf & Co.	"	84 74	.....
573	Freeman, Staley & Co.	"	12 47	.....
574	Wm. G. Dunn & Co.	"	8 06	.....
575	R. Kinsell & Co.	Shoes	10 00	.....
576	Jas. Tobin	Corn husks	6 25	.....
577	P. Hayden	Coal	219 99	.....
578	Ohio Tool Co.	Wood	29 76	.....
579	Same	"	12 78	.....
580	Col. Gas-Lt. & Coke Co.	Gas	264 91	.....
581	Same	"	249 28	.....
582	McCune, Mithoff & Co.	Hardware	101 29	.....
583	McCune, L. & Stoner	"	10 10	.....
584	Jas. Bradford & Co.	Proof staff, &c	20 71	.....
585	Wm. Quinn	Freight and drayage	12 71	.....
586	J. D. Jones	{ Exp. in pursuit of escaped convict	2 00	.....
587	Wm. Holmes	Hay	19 37	.....
588	Convicts discharged .....	.....	455 00	.....

Detailed Statement of Expenditures—Continued.

No. of voucher.	To whom paid.	On what account.	General expenses.	Special appropriation.
589	John Field	Lumber		\$182 91
590	Hershiser & Adams	"		49 52
591	R. B. Adams & Co.	"		20 05
592	McCune, Lonnis & Stoner	Hardware		103 03
593	Columbus Sewer Pipe Co.	Sewer pipe		144 45
594	J. H. Hafford	Employee		65 00
595	Doyle & Son	Bricks		14 85
596	F. Halley & Son	Plumbing		9 70
597	Stanley Matthews	Salary as Director	\$97 50	
598	T. Sherman	Corn husks	24 58	
MARCH, 1871.			\$10,235 12	589 51
599	R. Burr	Salary as Warden	\$166 67	
600	J. A. Dean	" Deputy Warden	150 00	
601	O. H. Newton	" Chaplain	125 00	
602	R. A. McIntire	" Steward	125 00	
603	C. V. Hamer	" Asst. Clerk	66 67	
604	Geo. Cunningham	" Capt. Night Watch	100 00	
605	N. Gray	" Physician	83 33	
606	H. A. Clark	" Supt. Hospital	75 00	
607	Wm. Arnold	" Supt. Kitchen	75 00	
608	S. S. Deselle	" Supt. State Shops	75 00	
609	J. Haering	" O. in G. R.	75 00	
610	S. Boyle	" Guard	65 00	
611	G. Brodrick	" "	65 00	
612	B. W. Botsford	" "	65 00	
613	A. Baldwin	" "	65 00	
614	M. Cunningham	" "	65 00	
615	S. Crane	" "	65 00	
616	J. Crane	" "	65 00	
617	B. W. Curtis	" "	65 00	
618	J. F. Cellar	" "	65 00	
619	F. Decker	" "	65 00	
620	Wm. Dean	" "	65 00	
621	J. A. Dean, Jr.	" "	65 00	
622	R. S. Duden	" "	65 00	
623	O. P. Duval	" "	65 00	
624	D. Dougherty	" "	65 00	
625	W. F. Everett	" "	65 00	
626	D. Fitzwater	" "	65 00	
627	H. A. Farmer	" "	65 00	
628	N. P. Finley	" "	50 00	
629	F. Griffiths	" "	65 00	
630	C. Glass	" "	65 00	
631	T. D. Groves	" "	65 00	
632	A. H. Goodwin	" "	65 00	
633	Wm. Ginder	" "	65 00	
634	J. W. Gillies	" "	65 00	
635	C. W. Hudson	" "	65 00	
636	D. Hicks	" "	65 00	
637	A. Ialer	" "	65 00	
638	J. D. Jones	" "	65 00	
639	R. D. Jones	" "	65 00	
640	E. A. Jones	" "	65 00	
641	G. W. Johnson	" "	65 00	
642	L. Kilbourne	" "	65 00	
643	D. Kelley	" "	65 00	

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
644	M. A. Lilley.....	Salary as guard.....	\$65 00	.....
645	S. Lewis.....	".....	50 00	.....
646	O. B. McAdams.....	".....	65 00	.....
647	E. B. Marshall.....	".....	65 00	.....
648	L. Morgan.....	".....	65 00	.....
649	W. Newton.....	".....	65 00	.....
650	H. W. Newell.....	".....	65 00	.....
651	Jno. Nelson.....	".....	65 00	.....
652	W. A. Overholser.....	".....	65 00	.....
653	T. J. Outcalt.....	".....	65 00	.....
654	A. J. Outcalt.....	".....	65 00	.....
655	T. C. Platt.....	".....	65 00	.....
656	J. Pritchard.....	".....	65 00	.....
657	G. W. Roby.....	".....	65 00	.....
658	W. W. Rhoads.....	".....	65 00	.....
659	D. Sparks.....	".....	65 00	.....
660	J. R. Spencer.....	".....	65 00	.....
661	W. M. Smith.....	".....	65 00	.....
662	J. Scheaf.....	".....	65 00	.....
663	E. B. Slaughter.....	".....	65 00	.....
664	Mary Syler.....	".....	50 00	.....
665	Chas. Snyder.....	".....	65 00	.....
666	H. M. Thompson.....	".....	65 00	.....
667	C. Tufts.....	".....	65 00	.....
668	J. S. Tufts.....	".....	65 00	.....
669	A. R. Ticknor.....	".....	65 00	.....
670	J. W. Ulem.....	".....	65 00	.....
671	Jno. Uncles.....	".....	65 00	.....
672	J. Q. Vincent.....	".....	65 00	.....
673	A. Vincent.....	".....	65 00	.....
674	J. E. Watson.....	".....	65 00	.....
675	Ed. West.....	".....	65 00	.....
676	W. W. Jones.....	".....	16 77	.....
677	Shufin & Co.....	Flour.....	256 50	.....
678	Wm. Cox & Co.....	Fresh beef.....	423 71	.....
679	R. Rusk.....	Fresh and salt beef.....	270 52	.....
680	J. B. Rusk.....	".....	120 22	.....
681	Wm. Gault.....	".....	120 13	.....
682	John Peak.....	Fresh beef.....	77 34	.....
683	T. S. Fuller.....	Sweet and sour milk.....	166 50	.....
684	Sarah Brown.....	Apple butter.....	31 50	.....
685	Jonathan Stoner.....	".....	18 00	.....
686	Isaac Eberly & Co.....	Cheese.....	54 24	.....
687	Y. Miles.....	Molasses.....	42 68	.....
688	Butler, Earhart & Co.....	Coffee, etc.....	36 58	.....
689	Geo. McDonald & Co.....	Groceries.....	98 75	.....
690	J. Greenleaf & Co.....	Dry goods.....	121 45	.....
691	John Hayes.....	Leather.....	55 52	.....
692	Patterson & Meek.....	".....	63 00	.....
693	same.....	".....	7 50	.....
694	A. Allgire.....	Corn husks.....	19 76	.....
695	Col. Gas-Light and Coke Co.....	Gas.....	245 44	.....
696	same.....	".....	238 89	.....
697	Braun & Bruck.....	Medicines.....	170 40	.....
698	A. Ritson.....	".....	36 20	.....
699	Tress & Harrington.....	Spectacles and goggles.....	15 60	.....
700	H. Mithoff & Co.....	Hardware.....	44 95	.....
701	W. H. & D. M. Akin.....	Sundries.....	7 25	.....
702	S. S. Desellem.....	Expenses in pursuit of escaped convict.....	5 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
703	Jelliff & De Butts	Coil springs	\$3 00	.....
704	Fairbanks, Benedict & Co.	Advertising proposals	16 00	.....
705	Nevins, Medary & Co.	" "	12 00	.....
706	Paul & Thrall	Printing	2 50	.....
707	W. Burt	Hay	16 49	.....
708	Convicts	Discharged	296 00	.....
709	J. H. Hafford	Employee		\$100 00
710	H. Mithoff & Co.	Hardware		7 95
711	Hayden & Baker	"		351 91
712	P. Hayden & Son	"		98 06
APRIL, 1871.			\$8,470 06	\$557 92
713	R. Burr	Salary as Warden	\$166 66	.....
714	J. A. Dean	Deputy Warden	150 00	.....
715	O. H. Newton	Chaplain	125 00	.....
716	R. A. McIntire	Steward	125 00	.....
717	C. V. Hamer	Clerk	125 00	.....
718	J. W. Gillies	Assistant Clerk	83 34	.....
719	N. Gay	Physician	83 34	.....
720	G. Cunningham	Capt. Night-watch	100 00	.....
721	H. A. Clark	Supt Hospital	75 00	.....
722	Wm. Arnold	Supt. Kitchen	75 00	.....
723	S. S. Deselle	Supt. State Shops	75 00	.....
724	J. Haering	O. in G. E.	75 00	.....
725	S. Boyle	Guard	65 00	.....
726	G. Brodrick	"	65 60	.....
727	B. W. Botsford	"	65 00	.....
728	A. Baldwin	"	65 00	.....
729	M. Cunningham	"	65 00	.....
730	S. Crane	"	65 00	.....
731	Jno. Crane	"	65 00	.....
732	B. W. Curtis	"	65 00	.....
733	J. F. Cellar	"	65 00	.....
734	F. Decker	"	65 00	.....
735	Wm. Dean	"	65 00	.....
736	J. A. Dean, Jr.	"	65 00	.....
737	R. S. Duden	"	65 00	.....
738	O. P. Duval	"	65 00	.....
739	D. Dougherty	"	65 00	.....
740	W. F. Everett	"	65 00	.....
741	D. Fitzwater	"	65 00	.....
742	H. A. Farmer	"	65 00	.....
743	F. Griffiths	"	65 00	.....
744	Ghas. Glass	"	65 00	.....
745	T. D. Groves	"	65 00	.....
746	A. H. Goodwin	"	65 00	.....
747	Wm. Ginder	"	65 00	.....
748	C. W. Hudson	"	65 00	.....
749	D. Hicks	"	65 00	.....
750	A. Isler	"	65 00	.....
751	J. D. Jones	"	65 00	.....
752	R. D. Jones	"	65 00	.....
753	E. A. Jones	"	65 00	.....
754	G. W. Johnson	"	65 00	.....
755	L. Kilbourne	"	65 00	.....
756	D. Kelley	"	65 00	.....
757	M. A. Lilley	"	65 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
758	O. B. McAdams	Salary as Guard	\$65 00	.....
759	E. B. Marshall	" "	65 00	.....
760	L. Morgan	" "	65 00	.....
761	Jno. Nelson	" "	65 00	.....
762	W. Newton	" "	65 00	.....
763	H. W. Newell	" "	65 00	.....
764	W. A. Overholser	" "	65 00	.....
765	T. J. Outcalt	" "	65 00	.....
766	A. J. Outcalt	" "	65 00	.....
767	T. C. Platt	" "	65 00	.....
768	J. Pritchard	" "	65 00	.....
769	G. W. Roby	" "	65 00	.....
770	W. W. Rhodes	" "	65 00	.....
771	D. Sparks	" "	65 00	.....
772	J. R. Spencer	" "	65 00	.....
773	W. M. Smith	" "	65 00	.....
774	E. B. Slaughter	" "	65 00	.....
775	Chas. Snyder	" "	65 00	.....
776	H. M. Thompson	" "	65 00	.....
777	C. Tufts	" "	65 00	.....
778	J. S. Tufts	" "	65 00	.....
779	A. R. Ticknor	" "	65 00	.....
780	J. W. Ulem	" "	65 00	.....
781	Jno. Uncles	" "	65 00	.....
782	J. Q. Vincent	" "	65 00	.....
783	A. Vincent	" "	65 00	.....
784	J. E. Watson	" "	65 00	.....
785	Ed. West	" "	65 00	.....
786	N. P. Finley	" "	50 00	.....
787	Sarah Lewis	" "	50 00	.....
788	Mary Syler	" "	50 00	.....
789	Jas. L. Bates	Services as Director	30 00	.....
790	Geo. Harsh	" "	64 95	.....
791	.....	.....	.....	.....
792	J. H. Hess	Wheat	701 39	.....
793	Shuffin & Co	Flour	392 50	.....
794	Miller & Getz	"	320 00	.....
795	G. P. Tracey	Potatoes	188 79	.....
796	Frisbie & Graves	Molasses and tobacco	154 72	.....
797	Isaac Eberly & Co	" "	107 10	.....
798	T. S. Fuller	Sweet and sour milk	153 45	.....
799	Wm. Cox & Co	Fresh beef	431 84	.....
800	J. B. Rusk	"	322 96	.....
801	Hutchenson & Bausenger	"	93 32	.....
802	John Peak	"	20 80	.....
803	Lewis Bayha	"	6 80	.....
804	R. Rusk	Fresh and salt beef	178 91	.....
805	Wm. Gault	" "	165 52	.....
806	B. Woodward	Salt beef	22 80	.....
807	Geo. Distlehorst	Spinach	27 00	.....
808	Jacob Gall	"	13 50	.....
809	Brooks, Walker & Co	Groceries	297 29	.....
810	Butler, Earhart & Co	"	240 44	.....
811	Miller, Green & Joyce	Dry goods, etc	385 05	.....
812	J. Greenleaf & Co	"	112 85	.....
813	John Hayes	Leather and findings	116 85	.....
814	Lewis Carhart	" "	60 00	.....
815	C. L. Clark	Yarn	297 00	.....
816	Stewart & Grimes	"	31 90	.....
817	Symmes E. Brown	Hats	30 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
818	T. Sherman	Husks	\$7 42	
819	Columbus G. Light & Coke Co	Gas	193 23	
820	same	Gas	179 66	
821	Samuel & Foster	Medicines	139 85	
822	Roby, Brailey & Co	"	106 11	
823	A. Ritson	"	19 70	
824	Jos. Guitner	Wine	50 00	
825	McCune, Mithoff & Co	Hardware	276 71	
826	W. H. & D. M. Akin	Charcoal	20 00	
827	T. Knox	Horse shoeing	28 75	
828	R. Burr	Traveling expenses	18 60	
829	Wm. Quinn	Freight and drayage	9 67	
830	Ohio Statesman	Subscription	9 00	
831	J. M. Comly, P. M.	Postage, &c	86 23	
832	Comly & Smith	Printing	40 50	
833	Paul & Thrall	Printing	4 50	
834	Francis Leonard	Milch cows	155 00	
835	W. Burt	Hay	15 64	
836	David Brown	Oats	11 58	
837	Convicts	Discharged	544 00	
838	Stitt, Price & Co	Lime		\$206 88
839	Jos. Amos	Repairing slate roof		175 12
840	Ganon & Williams	Labor on boiler		167 59
841	Hershiser & Adams	Lumber		101 25
842	McCune, Mithoff & Co	Hardware		85 64
843	J. & G. Butler	Cement		54 90
844	J. H. Hafford	Employe		120 00
845	John Scheaf	Salary as guard		65 00
846	W. W. Jones	"		65 00
847	H. J. Rhodes	"		56 33
848	Harper & Bro	Subscription		60 00
849	Putnam's Magazine	"		55 00
850	Sutton & Scott	"		15 00
851	A. Hildreth & Co	Lumber		1,207 78
852	Weinman & Son	Sundries		1,730 24
853	David Bixler	Apple butter	27 75	
854	J. J. Musser	"	24 00	
855	George Cunningham	Back salary	218 33	
856	Dr. N. Gay	"	145 56	
857	C. C. Cox & Co	Potatoes	344 05	
MAY, 1871.			\$13,016 91	\$4,165 73
858	R. Burr	Salary as Warden	\$166 67	
859	J. A. Dean	" Dep. Warden	150 00	
860	O. H. Newton	" Chaplain	125 00	
861	R. A. McIntire	" Steward	125 00	
862	C. V. Hamer	" Clerk	125 00	
863	J. W. Gillies	" Assistant Clerk	83 33	
864	N. Gay	" Physician	83 33	
865	G. Cunningham	" Capt. Night Watch	100 00	
866	H. A. Clark	" Super't Hospital	75 00	
867	Wm. Arnold	" Kitchen	75 00	
868	S. S. Deselle	" State shops	75 00	
869	J. Haering	" O. in G. R.	75 00	
870	S. Boyle	" Guard	65 00	
871	G. Brodrick	"	65 00	
872	B. W. Botsford	"	65 00	

Detailed Statement of Expenditures—Continued.

No. of voucher.	To whom paid.	On what account.	General expenses.	Special appropriation.
873	A. Baldwin	Salary as guard	\$65 00	.....
874	M. Cunningham	" "	65 00	.....
875	S. Crane	" "	65 00	.....
876	John Crane	" "	65 00	.....
877	B. W. Curtis	" "	65 00	.....
878	J. A. F. Cellar	" "	65 00	.....
879	Fred. Decker	" "	65 00	.....
880	Wm. Dean	" "	65 00	.....
881	J. A. Dean, Jr.	" "	65 00	.....
882	R. S. Duden	" "	65 00	.....
883	O. P. Duvall	" "	65 00	.....
884	D. Dougherty	" "	65 00	.....
885	W. F. Everett	" "	65 00	.....
886	D. Fitzwater	" "	65 00	.....
887	H. A. Farmer	" "	65 00	.....
888	F. Griffiths	" "	65 00	.....
889	C. Glass	" "	65 00	.....
890	T. D. Groves	" "	65 00	.....
891	A. H. Goodwin	" "	65 00	.....
892	Wm. Ginder	" "	65 00	.....
893	C. W. Hndson	" "	65 00	.....
894	D. Hicks	" "	65 00	.....
895	A. Isler	" "	65 00	.....
896	J. D. Jones	" "	65 00	.....
897	R. D. Jones	" "	65 00	.....
898	E. A. Jones	" "	65 00	.....
899	G. W. Johnson	" "	65 00	.....
900	L. Kilbourne	" "	65 00	.....
901	D. Kelley	" "	65 00	.....
902	M. A. Lilley	" "	65 00	.....
903	O. B. McAdams	" "	65 00	.....
904	E. B. Marshall	" "	65 00	.....
905	L. Morgan	" "	65 00	.....
906	John Nelson	" "	65 00	.....
907	W. Newton	" "	65 00	.....
908	H. W. Newell	" "	65 00	.....
909	W. A. Overholser	" "	65 00	.....
910	T. J. Outcalt	" "	65 00	.....
911	A. J. Outcalt	" "	65 00	.....
912	T. C. Platt	" "	65 00	.....
913	J. Pritchard	" "	65 00	.....
914	G. W. Roby	" "	65 00	.....
915	W. W. Rhodes	" "	65 00	.....
916	D. Sparks	" "	65 00	.....
917	J. R. Spencer	" "	65 00	.....
918	W. M. Smith	" "	65 00	.....
919	E. B. Slaughter	" "	65 00	.....
920	Chas. Snyder	" "	65 00	.....
921	H. M. Thompson	" "	65 00	.....
922	C. Tufts	" "	65 00	.....
923	J. S. Tufts	" "	65 00	.....
924	A. R. Ticknor	" "	65 00	.....
925	J. W. Ulem	" "	65 00	.....
926	A. Vincent	" "	65 00	.....
927	J. Q. Vincent	" "	65 00	.....
928	Ed. West	" "	65 00	.....
929	J. E. Watson	" "	65 00	.....
930	Mary Syler	" "	50 00	.....
931	Sarah Lewis	" "	50 00	.....
932	N. P. Finley	" "	50 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
933	Miller & Getz	Flour	\$652 80	.....
934	Shuffin & Co	"	242 50	.....
935	F. Davis	Wheat	89 33	.....
936	E. A. Fuller	"	66 93	.....
937	Chas. Mitchell	"	40 69	.....
938	Lyman Smith	"	12 29	.....
939	J. H. Hess	Wheat and corn	142 39	.....
940	A. Evans	Corn	186 60	.....
941	Geo. Richards	"	53 30	.....
942	Peter Wilty	Apple butter	30 37	.....
943	I. Eberly & Co	Syrup	45 00	.....
944	G. P. Tracy	Beans	42 30	.....
945	J. W. Pope	Onions	9 56	.....
946	T. S. Fuller	Sweet and sour milk	35 65	.....
947	J. B. Rush	Fresh and salt beef	320 33	.....
948	Cox & Co	" "	314 09	.....
949	T. B. Vause	" "	107 30	.....
950	Englehart & Spencer	" "	51 63	.....
951	Hutchenson & Bausenger	" "	45 63	.....
952	C. Everett	Salt beef	8 70	.....
953	W. R. Gault	Fresh beef	89 28	.....
954	R. Rusk	"	71 68	.....
955	Lewis Bayha	"	11 20	.....
956	J. J. Beard	"	10 24	.....
957	Brooks & Houston	Groceries	330 56	.....
958	Brooks & Walker	"	155 30	.....
959	Butler, Earhart & Co	"	112 18	.....
960	Geo. McDonald & Co	"	115 09	.....
961	J. Greenleaf & Co	Dry goods, etc	152 43	.....
962	Osborn, Kershaw & Co	"	74 92	.....
963	Wm. G. Dunn & Co	"	67 45	.....
964	" "	"	50 22	.....
965	J. W. Constans	Leather and findings	154 21	.....
966	C. C. Smith	" "	66 25	.....
967	C. L. Clark	Gray yarn	152 25	.....
968	Stewart & Grimes	White warp	94 90	.....
969	J. E. Rndisill	Hats	26 62	.....
970	S. E. Brown	"	17 00	.....
971	E. A. Fitch & Co	Coal	423 99	.....
972	Col. Gas. Light & Coke Co	Gas	150 26	.....
973	" "	"	142 78	.....
974	Braun & Bruck	Medicines	413 66	.....
975	Roby, Braily & Co	"	120 20	.....
976	Chas. Huston	"	118 70	.....
977	G. F. Wheeler	Groceries	12 82	.....
979	Braun & Bruck	Surgical instruments	7 50	.....
979	R. A. McIntire	Incidentals	51 04	.....
980	J. McElroy & Son	Spring wagon	155 00	.....
981	Kilbourne, Jones & Co	Hardware	34 98	.....
982	H. B. Brooks	Transportation	24 40	.....
983	Wm. Quinn	Freight and drayage	10 56	.....
984	Stewart & Grimes	Loom trimmings	12 00	.....
985	H. C. Gifford	Brooms	6 75	.....
986	P. A. Egan	Buggy hire	6 00	.....
987	Jelleff & DeButts	Coil springs	3 35	.....
988	J. M. & W. Westwater	Sundries	115 70	.....
989	Randall & Aston	"	52 08	.....
990	Cincinnati Gazette Co	Advertising	11 00	.....
991	Nevins & Myers	Printing	9 00	.....
992	F. O. Seely	Oats	32 50	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
993	F. O. Seely	Oats	\$12 80	.....
994	Convicts discharged .....	.....	469 00	.....
995	Smith & Price	Stone .....	.....	\$2,220 00
996	Central O. L. Asylum	Wrought iron steam pipe .....	.....	1,346 62
997	Kilbourne, Jones & Co	Hardware .....	.....	141 24
998	Berea Stone Co.	Stone .....	.....	121 16
999	C. C. C. & I. Railway	Freight on stone .....	.....	103 52
1000	Jno. Field	Lumber .....	.....	122 50
1001	Hershiser, Adams & Co .....	" .....	.....	39 58
1002	Stitt, Price & Co. ....	" .....	.....	143 75
1003	J. H. Hafford	Employe .....	.....	120 00
1004	Jno. Scheaf	Salary as Guard .....	.....	65 00
1005	W. W. Jones .....	" .....	.....	65 00
1006	H. J. Rhodes .....	" .....	.....	65 00
			\$11,953 57	\$4,553 37
JUNE, 1871.				
1007	R. Burr	Salary as Warden	\$166 67	.....
1008	J. A. Dean	" Dep. Warden	150 00	.....
1009	O. H. Newton	" Chaplain	125 00	.....
1010	R. A. McIntire	" Steward	125 00	.....
1011	C. V. Hamer	" Clerk	125 00	.....
1012	J. W. Gillies	" Asst. Clerk	83 33	.....
1013	N. Gay	" Physician	83 33	.....
1014	Geo. Cunningham	" Capt. Night-watch	100 00	.....
1015	H. A. Clark	" Supt. Hospital	75 00	.....
1016	Wm. Arnold	" " Kitchen	75 00	.....
1017	S. S. Desellem	" " State Shop	75 00	.....
1018	C. A. Barker	" " Yard	75 00	.....
1019	J. Haering	" O. in G. R.	75 00	.....
1020	S. Boyle	" Guard	65 00	.....
1021	B. W. Botsford	"	65 00	.....
1022	G. Brodrick	"	65 00	.....
1023	A. Baldwin	"	65 00	.....
1024	M. Cunningham	"	65 00	.....
1025	S. Crane	"	65 00	.....
1026	Jno. Crane	"	65 00	.....
1027	B. W. Curtis	"	65 00	.....
1028	J. A. F. Cellar	"	65 00	.....
1029	C. W. Cram	"	65 00	.....
1030	F. Decker	"	65 00	.....
1031	Wm. Dean	"	65 00	.....
1032	J. A. Dean, Jr.	"	65 00	.....
1033	R. S. Duden	"	65 00	.....
1034	O. P. Duval	"	65 00	.....
1035	D. Dougherty	"	65 00	.....
1036	W. F. Everett	"	65 00	.....
1037	D. Fitzwater	"	65 00	.....
1038	H. A. Farmer	"	65 00	.....
1039	F. Griffiths	"	65 00	.....
1040	C. Glass	"	65 00	.....
1041	T. D. Groves	"	65 00	.....
1042	A. H. Goodwin	"	65 00	.....
1043	Wm. Ginder	"	65 00	.....
1044	C. W. Hudson	"	65 00	.....
1045	D. Hicks	"	65 00	.....
1046	A. Isler	"	65 00	.....
1047	J. D. Jones	"	65 00	.....

Detailed Statement of Expenditures—Continued.

No. of voucher.	To whom paid.	On what account.	General expenses.	Special appropriation.
1048	R. D. Jones.....	Salary as guard.....	\$65 00	.....
1049	E. A. Jones.....	".....	65 00	.....
1050	G. W. Johnson.....	".....	65 00	.....
1051	L. Kilbourne.....	".....	65 00	.....
1052	D. Kelley.....	".....	65 00	.....
1053	M. A. Lilley.....	".....	65 00	.....
1054	O. B. McAdams.....	".....	65 00	.....
1055	E. B. Marshall.....	".....	65 00	.....
1056	L. Morgan.....	".....	65 00	.....
1057	Jno. Nelson.....	".....	65 00	.....
1058	W. Newton.....	".....	65 00	.....
1059	H. W. Newell.....	".....	65 00	.....
1060	W. A. Overholser.....	".....	65 00	.....
1061	T. J. Outcalt.....	".....	65 00	.....
1062	A. J. Outcalt.....	".....	65 00	.....
1063	T. C. Platt.....	".....	65 00	.....
1064	J. Pritchard.....	".....	65 00	.....
1065	G. W. Roby.....	".....	65 00	.....
1066	W. W. Rhodes.....	".....	65 00	.....
1067	D. Sparks.....	".....	65 00	.....
1068	J. R. Spencer.....	".....	65 00	.....
1069	W. M. Smith.....	".....	65 00	.....
1070	E. B. Slaughter.....	".....	65 00	.....
1071	Sam'l Sayler.....	".....	65 00	.....
1072	H. M. Thompson.....	".....	65 00	.....
1073	C. Tufts.....	".....	65 00	.....
1074	J. S. Tufts.....	".....	65 00	.....
1075	A. R. Ticknor.....	".....	65 00	.....
1076	J. W. Ulem.....	".....	65 00	.....
1077	J. Q. Vincent.....	".....	65 00	.....
1078	A. Vincent.....	".....	65 00	.....
1079	J. E. Watson.....	".....	65 00	.....
1080	Ed. West.....	".....	65 00	.....
1081	N. P. Finley.....	".....	50 00	.....
1082	S. Lewis.....	".....	50 00	.....
1083	M. Syler.....	".....	50 00	.....
1084	Shuffin & Co.....	Flour.....	421 50	.....
1085	J. & L. Zettler.....	".....	128 00	.....
1086	J. R. Anderson.....	Wheat.....	146 58	.....
1087	F. Waterman.....	".....	139 85	.....
1088	F. Burt.....	".....	44 33	.....
1089	Wm. Wood.....	".....	37 70	.....
1090	David Mitchell.....	".....	39 22	.....
1091	J. Thomas.....	Sour milk.....	132 45	.....
1092	J. B. Rusk.....	Fresh and salt beef.....	144 84	.....
1093	Wm. Cox & Co.....	".....	96 58	.....
1094	W. R. Gault.....	".....	62 08	.....
1095	T. B. Vause.....	".....	29 67	.....
1096	Galloway & Seigle.....	Fresh beef.....	26 18	.....
1097	Hutchison & Bousiger.....	".....	25 34	.....
1098	Englehart & Spencer.....	".....	23 10	.....
1099	R. Rusk.....	".....	18 34	.....
1100	E. Jaeger.....	Lettuce and onions.....	71 85	.....
1101	H. Deckling.....	Lettuce.....	13 00	.....
1102	Peter Welty.....	Apple butter.....	39 25	.....
1103	H. Fitch & Son.....	Salt.....	35 00	.....
1104	Frisbie & Graves.....	Tobacco and molasses.....	115 83	.....
1105	Brooks, Walker & Co.....	Tobacco and butter.....	94 04	.....
1106	Brooks & Houston.....	Tobacco and rice.....	70 59	.....
1107	Butler, Earhart & Co.....	Coffee and tea.....	70 83	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
1108	J. H. Barcus	Groceries	\$366 42	
1109	R. Main	"	176 47	
1110	N. Merion	"	91 23	
1111	Tress & Harrington	Spectacles	11 90	
1112	C. L. Clark	Yarn	252 75	
1113	Lewis Carhart	Leather	110 80	
1114	C. C. Smith	"	58 73	
1115	J. W. Constans	"	54 96	
1116	Miller, Green & Joyce	Drygoods	187 23	
1117	J. Greenleaf & Co.	"	50 06	
1118	W. G. Dunn & Co.	"	41 76	
1119	John Hayes	N. F. oil	15 00	
1120	S. E. Browne	Hats	10 00	
1121	E. A. Fitch	Coal	523 71	
1122	Col. Gas Light & Coke Co.	Gas	150 04	
1123	same	"	102 52	
1124	C. C. Comstock	Lard oil	36 00	
1125	Braun & Bruck	Medicines	36 75	
1126	Samuel & Foster	"	34 23	
1127	A. Ritson	"	11 05	
1128	L. Goodald's Estate	Tax	149 86	
1129	Brown, Hinman & Co.	Sundries	73 07	
1130	Aston, Taylor & Huff	Hardware	27 55	
1131	Col. Car and Car-wheel Works	Sundries	18 00	
1132	Barker & Taylor	Sub. O. S. Journal	10 80	
1133	W. S. Robinson	City Directory	3 00	
1134	Wm. Quinn	Drayage	3 84	
1135	J. W. Gillies	Expenses in pursuit of es- caped convict	16 84	
1136	Jno. Nelson	Expenses in pursuit of es- caped convict	16 35	
1137	Geo. W. Gleason	Stationery, etc.	53 60	
1138	James Peene	Hay	27 62	
1139	Jacob Slyh	Oats	16 21	
1140	Convicts	Discharged	461 00	
1141	Weinman & Son	Sundries		\$656 85
1142	E. Harris	Lumber		118 60
1143	R. B. Adams & Co.	"		8 01
1144	Berea Stone Co.	Stone		367 67
1145	C. C. C. & I. Ry.	Freight on stone		295 38
1146	Bomm & Field	Stone		19 97
1147	Stitt Price & Co.	Lime		142 50
1148	T. Leonard	Brick		14 00
1149	J. H. Hafford	Employe		120 00
1150	H. J. Rhoades	Salary as Guard		65 00
1151	W. W. Jones	"		65 00
1152	John Scheaf	"		65 00
1153	Randall, Aston & Co.	Books		131 76
1154	Col. & Franklin Co. Bible Soc.	"		20 40
1155	G. W. Gleason	"		17 80
JULY, 1871.			\$10,673 83	\$2,107 94
1156	R. Burr	Salary as Warden	\$166 66	
1157	J. A. Dean	" Deputy Warden	150 00	
1158	O. H. Newton	" Chaplain	125 00	
1159	R. A. McIntire	" Steward	125 00	
1160	C. V. Hamer	" Clerk	125 00	
1161	J. W. Gillies	" Assistant Clerk	83 34	

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
1162	N. Gay	Salary as Physician	\$33 34	
1163	Geo. Cunningham	" Captain Nightwatch	100 00	
1164	H. A. Clark	" Sup't Hospital	75 00	
1165	Wm. Arnold	" Kitchen	75 00	
1166	S. S. Desellem	" State Shop	75 00	
1167	C. A. Barker	" Yard	75 00	
1168	J. Haering	" Officer in charge G.R.	75 00	
1169	S. Boyle	" Guard	65 00	
1170	B. W. Botsford	"	65 00	
1171	G. Brodrick	"	65 00	
1172	A. Baldwin	"	65 00	
1173	M. Cunningham	"	65 00	
1174	S. Crane	"	65 00	
1175	Jno. Crane	"	65 00	
1176	B. W. Curtis	"	65 00	
1177	J. A. F. Cellar	"	65 00	
1178	C. W. Cram	"	65 00	
1179	F. Decker	"	65 00	
1180	Wm. Dean	"	65 00	
1181	J. A. Dean, Jr.	"	65 00	
1182	R. S. Duden	"	65 00	
1183	O. P. Duval	"	65 00	
1184	D. Dougherty	"	65 00	
1185	W. F. Everett	"	65 00	
1186	D. Fitzwater	"	65 00	
1187	H. A. Farmer	"	65 00	
1188	F. Griffiths	"	65 00	
1189	C. Glass	"	65 00	
1190	T. D. Groves	"	65 00	
1191	A. H. Goodwin	"	65 00	
1192	Wm. Ginder	"	65 00	
1193	C. W. Hudson	"	65 00	
1194	D. Hicks	"	65 00	
1195	A. Isler	"	65 00	
1196	J. D. Jones	"	65 00	
1197	R. D. Jones	"	65 00	
1198	E. A. Jones	"	65 00	
1199	G. W. Johnson	"	65 00	
1200	L. Kilbourn	"	65 00	
1201	D. Kelley	"	65 00	
1202	M. A. Lilley	"	65 00	
1203	O. B. McAdams	"	65 00	
1204	E. B. Marshall	"	65 00	
1205	L. Morgan	"	65 00	
1206	Jno. Nelson	"	65 00	
1207	W. Newton	"	65 00	
1208	H. W. Newell	"	65 00	
1209	W. A. Overholser	"	65 00	
1210	T. J. Outcalt	"	65 00	
1211	A. J. Outcalt	"	65 00	
1212	T. C. Platt	"	65 00	
1213	J. Pritchard	"	65 00	
1214	G. W. Roby	"	65 00	
1215	W. W. Rhodes	"	65 00	
1216	D. Sparks	"	65 00	
1217	J. R. Spencer	"	65 00	
1218	W. M. Smith	"	65 00	
1219	E. B. Slaughter	"	65 00	
1220	Samuel Saylor	"	65 00	
1221	H. M. Thompson	"	65 00	

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
1222	C. Tufts	Salary as guard.....	\$65 00	.....
1223	J. S. Tufts	" "	65 00	.....
1224	A. R. Ticknor	" "	65 00	.....
1225	J. W. Ulem	" "	65 00	.....
1226	J. Q. Vincent	" "	65 00	.....
1227	A. Vincent	" "	65 00	.....
1228	J. E. Watson	" "	65 00	.....
1229	Ed. West	" "	65 00	.....
1230	N. P. Finley	" "	50 00	.....
1231	S. Lewis	" "	50 00	.....
1232	Mary Syler	" "	50 00	.....
1233	Jas. L. Bates	Services as director.....	50 00	.....
1234	Geo. Harsh	"	95 25	.....
1235	Stanley Matthews	"	48 00	.....
1236	W. R. Gault	Fresh beef	438 36	.....
1237	Englehart & Spencer	"	128 16	.....
1238	J. B. Rusk	"	115 38	.....
1239	Hutchenson & Bausenger	"	6 96	.....
1240	Wm. Cox & Co.	Fresh and salt beef	148 26	.....
1241	T. B. Vause	" "	97 81	.....
1242	Edward Stilings	Salt beef	20 00	.....
1243	R. Rusk	"	15 72	.....
1244	Mrs. Ruth Walcutt	Wheat	493 50	.....
1245	Cornelius Lisk	"	66 25	.....
1246	A. Evans	"	66 81	.....
1247	"	"	10 15	.....
1248	Moses Latham	Corn and wheat	24 39	.....
1249	F. Waterman	"	101 57	.....
1250	L. W. Budd	Potatoes	22 10	.....
1251	E. Merion	"	19 26	.....
1252	Gideon Scoby	"	18 25	.....
1253	"	"	14 80	.....
1254	J. O. B. Rennick	"	14 80	.....
1255	E. Jaeger	Cabbage, potatoes and onions.	109 15	.....
1256	Geo. Distlehorst	Onions	7 00	.....
1257	E. Harris	Green corn	51 75	.....
1258	H. J. Dickerman	Eggs	16 00	.....
1259	Miller & Getz	Flour	313 47	.....
1260	Shuffin & Co.	"	134 70	.....
1261	J. & L. Zettler	"	125 00	.....
1262	J. H. Barcus & Co.	Groceries	175 37	.....
1263	E. E. Shedd	"	119 85	.....
1264	N. Merion & Co.	"	86 50	.....
1265	Butler, Earhart & Co.	"	66 67	.....
1266	Brooks & Houston	"	18 90	.....
1267	Wm. Taylor	Tobacco	79 38	.....
1268	Wm. Moneypenny	Whiskey and flour	123 00	.....
1269	George McDonald & Co.	Groceries	32 14	.....
1270	Richard Davis	Wheat and oats	31 64	.....
1271	Miller, Green & Joyce	Dry goods	135 37	.....
1272	J. Greenleaf & Co.	"	126 18	.....
1273	W. G. Dunn & Co.	"	22 05	.....
1274	C. L. Clark	Yarn	217 15	.....
1275	C. C. Smith	Leather and findings	77 65	.....
1276	S. E. Browne	Hats	8 00	.....
1277	Columbus G. Light & Coke Co	Gas	132 66	.....
1278	"	Gas	119 90	.....
1279	Braun & Bruck	Medicines	66 08	.....
1280	"	Surgical instruments	19 35	.....
1281	O. B. & W. W. Co.	Sundries	56 43	.....

Detailed Statement of Expenditures—Continued.

No. of voucher.	To whom paid.	On what account.	General expenses.	Special appropriation.
1282	H. Mithoff & Co	Hardware	\$125 84	.....
1283	McCune, Mithoff & Co	"	52 32	.....
1284	W. A. Gill & Son	"	8 75	.....
1285	Jas. Bradford & Co	Bolting cloth	11 02	.....
1286	R. G. Hanford	Green house plants	7 25	.....
1287	H. C. Gifford	Brooms	6 75	.....
1288	J. Rose	Doctoring horse	6 00	.....
1289	W. U. Telegraph Co	"	2 15	.....
1290	Wm. Quinn	Drayage	1 60	.....
1291	J. M. Comly, P. M	Postage and drawer rent	23 49	.....
1292	S. & M. Voorsanger	Pens	12 50	.....
1293	I. H. Hoffman	Oats	106 17	.....
1294	Robt. Walcutt	"	30 00	.....
1295	Wm. Van Shoick	"	23 06	.....
1296	John Brunick	Hay	12 25	.....
1297	Brooks, Walker & Co	Groceries	147 19	.....
1298	Convicts discharged	"	395 00	.....
1299	Smith & Price	Stone .....	.....	\$1,734 78
1300	Berea Stone Co .....	" .....	.....	66 42
1301	Weinman & Son	Pipe .....	.....	290 89
1302	McCune, Mithoff & Co	Hardware .....	.....	116 42
1303	Stitt, Price & Co	Lime .....	.....	93 13
1304	P. C. & St. L. Ry	Freight .....	.....	30 00
1305	C. C. C. & I. Ry .....	" .....	.....	54 00
1306	Zetler & Ryan	Cement .....	.....	8 75
1307	J. H. Hafford	Employe .....	.....	120 00
1308	Jno. Scheaf	Salary as guard .....	.....	65 00
1309	W. W. Jones .....	" .....	.....	65 00
1310	H. J. Rhodes .....	" .....	.....	65 00
1311	G. W. Gleason	Books .....	.....	72 87
1312	Randall, Aston & Co .....	" .....	.....	18 75
1313	Sheldon & Co	Subscription .....	.....	30 00
1314	Harper & Bro .....	" .....	.....	30 00
AUGUST, 1871.			\$10,906 80	\$2,861 01
1315	R. Burr	Salary as Warden	\$166 67	.....
1316	J. A. Dean	" Deputy Warden	150 00	.....
1317	O. H. Newton	" Chaplain	125 00	.....
1318	R. A. McIntire	" Steward	125 00	.....
1319	C. V. Hamer	" Clerk	125 00	.....
1320	J. W. Gillics	" Asst. Clerk	83 33	.....
1321	N. Gay	" Physician	83 33	.....
1322	G. Cunningham	" Capt. Night Watch	100 00	.....
1323	H. A. Clark	" Supt. Hospital	75 00	.....
1324	Wm. Arnold	" Supt. Kitchen	75 00	.....
1325	S. S. Desellem	" Supt. State Shop	75 00	.....
1326	C. A. Barker	" Supt. Yard	75 00	.....
1327	J. Haering	" O. in charge G. R.	75 00	.....
1328	S. Boyle	" Guard	65 00	.....
1329	B. W. Botsford	" "	65 00	.....
1330	G. Brodrick	" "	65 00	.....
1331	A. Baldwin	" "	65 00	.....
1332	M. Cunningham	" "	65 00	.....
1333	Sam. Crane	" "	65 00	.....
1334	Jno. Crane	" "	65 00	.....
1335	B. W. Curtis	" "	65 00	.....
1336	J. A. F. Cellar	" "	65 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
1337	C. W. Cram.....	Salary as guard.....	\$65 00	.....
1338	F. Decker.....	".....	65 00	.....
1339	Wm. Dean.....	".....	65 00	.....
1340	J. A. Dean, Jr.....	".....	65 00	.....
1341	R. S. Duden.....	".....	65 00	.....
1342	O. P. Duval.....	".....	65 00	.....
1343	D. Dougherty.....	".....	65 00	.....
1344	W. F. Everett.....	".....	65 00	.....
1345	D. Fitzwater.....	".....	65 00	.....
1346	H. A. Farmer.....	".....	65 00	.....
1347	F. Griffiths.....	".....	65 00	.....
1348	C. Glass.....	".....	65 60	.....
1349	T. D. Grovis.....	".....	65 00	.....
1350	A. H. Goodwin.....	".....	65 00	.....
1351	Wm. Ginder.....	".....	65 00	.....
1352	C. W. Hudson.....	".....	65 00	.....
1353	D. Hicks.....	".....	65 00	.....
1354	A. Isler.....	".....	65 00	.....
1355	J. D. Jones.....	".....	65 00	.....
1356	R. D. Jones.....	".....	65 00	.....
1357	E. A. Jones.....	".....	65 00	.....
1358	G. W. Johnson.....	".....	65 00	.....
1359	L. Kilbourne.....	".....	65 00	.....
1360	D. Kelley.....	".....	65 00	.....
1361	M. A. Lilley.....	".....	65 00	.....
1362	O. B. McAdams.....	".....	65 00	.....
1363	E. B. Marshall.....	".....	65 00	.....
1364	L. Morgan.....	".....	66 00	.....
1365	Jno. Nelson.....	".....	65 00	.....
1366	W. Newton.....	".....	65 00	.....
1367	H. W. Newell.....	".....	65 00	.....
1368	W. A. Overholser.....	".....	65 00	.....
1369	T. J. Outcalt.....	".....	65 00	.....
1370	A. J. Outcalt.....	".....	65 00	.....
1371	T. C. Platt.....	".....	65 00	.....
1372	J. Pritchard.....	".....	65 00	.....
1373	G. W. Roby.....	".....	65 00	.....
1374	W. W. Rhodes.....	".....	65 00	.....
1375	D. Sparks.....	".....	65 00	.....
1376	J. R. Spencer.....	".....	65 00	.....
1377	W. M. Smith.....	".....	65 00	.....
1378	E. B. Slaughter.....	".....	65 00	.....
1379	Samuel Saylor.....	".....	65 00	.....
1380	H. W. Thompson.....	".....	65 00	.....
1381	C. Tufts.....	".....	65 00	.....
1382	J. S. Tufts.....	".....	65 00	.....
1383	A. R. Ticknor.....	".....	65 00	.....
1384	J. W. Ulem.....	".....	65 00	.....
1385	J. Q. Vincent.....	".....	65 00	.....
1386	A. Vincent.....	".....	65 00	.....
1387	J. E. Watson.....	".....	65 00	.....
1388	E. West.....	".....	65 00	.....
1389	N. P. Finley.....	".....	50 00	.....
1390	S. Lewis.....	".....	50 00	.....
1391	Mary Syler.....	".....	50 00	.....
1392	J. Haering.....	Back salary.....	87 00	.....
1393	Jno. T. Horseman.....	Cattle.....	477 55	.....
1394	H. B. Moore.....	Hogs.....	55 35	.....
1395	Hutchenson & Bausenger.....	Fresh beef.....	212 94	.....
1396	R. Rusk.....	".....	212 94	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
1397	Eisel & Bayha.....	Fresh beef.....	\$114 84	
1398	T. B. Vause.....	".....	52 92	
1399	N. B. Marple.....	".....	46 98	
1400	Wm. Cox & Co.....	Fresh and salt beef.....	159 07	
1401	J. B. Rusk.....	".....	156 48	
1402	J. O'B. Renick.....	Potatoes.....	16 05	
1403	Jas. H. Hess.....	Potatoes and corn.....	293 47	
1404	P. Gray.....	Corn.....	59 59	
1405	T. S. Fuller.....	Green corn.....	177 17	
1406	E. Harris.....	".....	84 05	
1407	J. B. Rusk.....	".....	16 41	
1408	E. Jaeger.....	Cabbage.....	69 40	
1409	Augustus Platt.....	".....	3 15	
1410	Jos. Mock.....	Tomatoes.....	29 70	
1411	Geo. Distlehurst.....	".....	21 00	
1412	Jacob Gall.....	".....	6 25	
1413	E. Merion.....	".....	6 00	
1414	Feaine & Jackson.....	Tea.....	90 00	
1415	L. Eberly & Co.....	Tobacco.....	80 01	
1416	E. E. Shedd & Co.....	".....	56 96	
1417	Robt. Walcutt.....	Wheat.....	227 28	
1418	Shuffin & Co.....	Flour.....	135 45	
1419	Wm. Monypeny.....	".....	57 50	
1420	G. S. Innis.....	Vegetables.....	62 77	
1421	A. J. Dickerman.....	Butter.....	36 04	
1422	A. Briggs.....	Watermelons.....	19 26	
1423	J. B. Rusk.....	Smoking hams.....	21 20	
1424	N. Merion & Co.....	Groceries.....	109 43	
1425	Butler, Earhart & Co.....	Coffee, rice and crackers.....	95 32	
1426	J. H. Barcus & Co.....	Groceries.....	58 56	
1427	R. Main.....	".....	21 26	
1428	W. A. Mahony.....	Oranges and lemons.....	20 60	
1429	J. Greenleaf & Co.....	Dry goods.....	293 27	
1430	Osborn, Kershaw & Co.....	".....	74 73	
1431	C. C. Smith.....	Leather and findings.....	74 65	
1432	J. W. Constans.....	".....	175 72	
1433	H. Plimpton.....	Hats.....	13 50	
1434	B. R. Van Houten.....	".....	2 15	
1435	P. Hayden.....	Coal.....	16 78	
1436	Col. Gas-Lt. & Coke Co.....	Gas.....	173 36	
1437	Same.....	".....	94 60	
1438	Peter Rhoades.....	Oil.....	12 42	
1439	Roby, Brailey & Co.....	Medicines.....	72 73	
1440	A. Ritson.....	".....	30 95	
1441	Samuel & Foster.....	".....	17 74	
1442	Chas. Knoder.....	Plums.....	3 25	
1443	McCune, Mithoff & Co.....	Hardware.....	63 42	
1444	G. Hinderer.....	Masons' mallets.....	12 00	
1445	Brown, Hinman & Co.....	Wood ashes.....	6 56	
1446	A. Jelleff.....	Coil springs.....	3 00	
1447	Paul & Thrall.....	Printing.....	5 50	
1448	J. S. Walcutt.....	Hay.....	92 95	
1449	Convicts discharged.....		413 00	
1450	J. H. Hafford.....	Empleye.....		\$120 00
1451	Jno. Scheaf.....	Salary as guard.....		65 00
1452	W. W. Jones.....	".....		65 00
1453	H. J. Rhoades.....	".....		65 00
1454	McCune, Mithoff & Co.....	Hardware.....		61 74

Detailed Statement of Expenditures—Continued.

No. of voucher.	To whom paid.	On what account.	General expenses.	Special appropriation.
1455	Stitt, Price & Co.....	Lime .....	.....	\$53 75
1456	J. & G. Butler.....	Cement.....	.....	27 60
1457	Ganon & Williams.....	Charcoal iron .....	.....	5 58
1458	P. C. & St. L. Ry.....	Switching cars.....	.....	4 00
SEPTEMBER, 1871.			\$10,550 56	\$467 67
1459	R. Burr	Salary as Warden.....	\$166 67	.....
1460	J. A. Dean	" Deputy Warden.....	150 00	.....
1461	O. H. Newton.....	" Chaplain	125 00	.....
1462	R. A. McIntire.....	" Steward	125 00	.....
1463	C. V. Hamer.....	" Clerk	125 00	.....
1464	J. W. Gillies.....	" Asst. Clerk.....	83 33	.....
1465	N. Gay	" Physician	83 33	.....
1466	G. Cunningham.....	" Capt. Night Watch.....	100 00	.....
1467	H. A. Clark.....	" Supt. Hospital	75 00	.....
1468	Wm. Arnold.....	" Supt. Kitchen.....	75 00	.....
1469	S. S. Deselle.....	" Supt. State Shop.....	75 00	.....
1470	C. A. Barker.....	" Supt. Yard.....	75 00	.....
1471	J. Haering.....	" O. in charge of G. R. guard.....	75 00	.....
1472	S. Boyle.....	"	65 00	.....
1473	B. W. Botsford.....	"	65 00	.....
1474	G. Brodrick.....	"	65 00	.....
1475	A. Baldwin.....	"	65 00	.....
1476	M. Cunningham.....	"	65 00	.....
1477	S. Crane.....	"	65 00	.....
1478	John Crane.....	"	65 00	.....
1479	B. W. Curtis.....	"	65 00	.....
1480	J. A. F. Cellar.....	"	65 00	.....
1481	C. W. Cram.....	"	65 00	.....
1482	F. Decker.....	"	65 00	.....
1483	Wm. Dean.....	"	65 00	.....
1484	J. A. Dean, Jr.....	"	65 00	.....
1485	R. S. Duden.....	"	65 00	.....
1486	O. P. Duvall.....	"	65 00	.....
1487	D. Dougherty.....	"	65 00	.....
1488	W. F. Everett.....	"	65 00	.....
1489	D. Fitzwater.....	"	65 00	.....
1490	H. A. Farmer.....	"	65 00	.....
1491	F. Griffiths.....	"	65 00	.....
1492	C. Glass.....	"	65 00	.....
1493	T. D. Groves.....	"	65 00	.....
1494	A. H. Godwin.....	"	65 00	.....
1495	Wm. Ginder.....	"	65 00	.....
1496	C. W. Hudson.....	"	65 00	.....
1497	D. Hicks.....	"	65 00	.....
1498	A. Isler.....	"	65 00	.....
1499	J. D. Jones.....	"	65 00	.....
1500	R. D. Jones.....	"	65 00	.....
1501	E. A. Jones.....	"	65 00	.....
1502	G. W. Johnson.....	"	65 00	.....
1503	L. Kilbourne.....	"	65 00	.....
1504	D. Kelley.....	"	65 00	.....
1505	M. A. Lilley.....	"	65 00	.....
1506	O. B. McAdams.....	"	65 00	.....
1507	E. B. Marshall.....	"	65 00	.....
1508	L. Morgan.....	"	65 00	.....
1509	John Nelson.....	"	65 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
1510	W. Newton.....	Salary as guard.....	\$65 00	.....
1511	H. W. Newell.....	".....	65 00	.....
1512	W. A. Overholser.....	".....	65 00	.....
1513	T. J. Outcalt.....	".....	65 00	.....
1514	A. J. Outcalt.....	".....	65 00	.....
1515	T. C. Platt.....	".....	65 00	.....
1516	J. Pritchard.....	".....	65 00	.....
1517	G. W. Roby.....	".....	65 00	.....
1518	W. W. Rhodes.....	".....	65 00	.....
1519	D. Sparks.....	".....	65 00	.....
1520	J. R. Spencer.....	".....	65 00	.....
1521	W. M. Smith.....	".....	65 00	.....
1522	E. B. Slaughter.....	".....	65 00	.....
1523	Samuel Sayler.....	".....	65 00	.....
1524	H. M. Thompson.....	".....	65 00	.....
1525	C. Tufts.....	".....	65 00	.....
1526	J. S. Tufts.....	".....	65 00	.....
1527	A. R. Tickner.....	".....	65 00	.....
1528	J. W. Ulem.....	".....	65 00	.....
1529	J. Q. Vincent.....	".....	65 00	.....
1530	A. Vincent.....	".....	65 00	.....
1531	J. E. Watson.....	".....	65 00	.....
1532	Ed. West.....	".....	65 00	.....
1533	N. P. Finley.....	".....	50 00	.....
1534	S. Lewis.....	".....	50 00	.....
1535	M. Syler.....	".....	50 00	.....
1536	John Peak.....	Fresh beef.....	638 82	.....
1537	J. B. Rusk.....	Salt beef.....	53 36	.....
1538	E. T. Mithoff.....	One cow.....	50 17	.....
1539	J. G. Roberts.....	Cattle.....	376 00	.....
1540	John Rowland.....	Hogs.....	149 50	.....
1541	H. B. Moore.....	".....	126 96	.....
1542	J. Hughes.....	Wheat.....	358 30	.....
1543	Jos. Mock.....	".....	221 67	.....
1544	J. W. McCann.....	".....	192 00	.....
1545	Daniel Roberts.....	".....	41 24	.....
1546	Miller & Getz.....	Flour.....	295 32	.....
1547	Shuffin & Co.....	".....	125 98	.....
1548	J. & L. Zettler.....	".....	55 00	.....
1549	Thos. Young.....	Corn.....	106 96	.....
1550	E. Jaeger.....	Cabbage.....	36 75	.....
1551	Geo. P. Tracy.....	".....	14 32	.....
1552	Asylum for Idiots.....	" and tomatoes.....	37 47	.....
1553	G. S. Innis.....	Potatoes, cabbage & tomatoes.....	115 73	.....
1554	Jos. Mock.....	Tomatoes.....	6 80	.....
1555	Jos. Garrett.....	Potatoes.....	47 95	.....
1556	J. O'B. Renick.....	" and pumpkins.....	38 46	.....
1557	T. S. Fuller.....	Green corn.....	76 37	.....
1558	Wm. Tress.....	Onions.....	50 30	.....
1559	Jacob Coble.....	Turnips.....	6 37	.....
1560	N. B. Marple.....	Grapes.....	14 13	.....
1561	H. J. Dickerman.....	Butter.....	117 86	.....
1562	same.....	".....	59 43	.....
1563	A. C. O'Kane.....	Tea.....	69 68	.....
1564	E. E. Shedd.....	Groceries.....	58 67	.....
1565	G. S. Innis.....	Error.....	5 03	.....
1566	Brooks, Walker & Co.....	Groceries.....	305 69	.....
1567	Frisbie & Graves.....	".....	112 79	.....
1568	R. Main.....	".....	89 71	.....
1569	Butler, Earhart & Co.....	".....	92 91	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
1570	N. Merion & Co.	Groceries	\$137 40	
1571	J. H. Barcus & Co.	"	48 26	
1572	C. L. Clark	Yarn	211 65	
1573	Miller, Green & Joyce	Dry goods	157 98	
1574	Wm. G. Dunn & Co.	"	88 76	
1575	J. Greenleaf & Co.	"	59 96	
1576	J. W. Constans	Leather and findings	120 88	
1577	W. N. Collom	Hats	30 00	
1578	J. E. Rudisill	"	27 00	
1579	Col. Gas Light and Coke Co.	Gas	196 46	
1580	same	"	113 74	
1581	Williams & Lehman	Lard oil	34 50	
1582	Samuel & Foster	Medicines	106 48	
1583	Chas. Huston	"	64 15	
1584	A. Ritson	"	41 05	
1585	Braun & Bruck	"	28 22	
1586	Peters, Bennis & Co.	Steward's wagon	220 00	
1587	P. C. and St. L. Ry.	Transportation	15 50	
1588	B. and O. Ry.	"	7 35	
1589	O. B. & W. W. Co.	Sand-screen	16 00	
1590	Ohio Butt Co.	Sundries	10 56	
1591	same	"	60	
1592	Abram Clover	Brush	1 00	
1593	W. U. Tel. Co.	"	60	
1594	J. M. Comly, P.M.	Postage and drawer rent	30 49	
1595	L. A. Cohen	Pencils	5 00	
1596	Comly & Smith	Printing	17 25	
1597	Delaware Chair Co.	Chairs	40 00	
1598	Convicts	Discharged	621 00	
1599	J. H. Hafford	Employee		\$120 00
1600	Jno. Scheaf	Salary as Guard		65 00
1601	W. W. Jones	" "		65 00
1602	H. J. Rhoades	" "		65 00
1603	Ganon & Williams	Sundries		150 25
1604	Voswinkle & Frank	Brick		110 00
1605	same	"		33 00
1606	Berea Stone Co.	Coping stone		59 85
1607	C. C. C. and I. C. Ry.	Freight on coping		52 25
1608	Zettler & Ryan	Cement		20 37
1609	Stitt, Price & Co.	Lime		19 27
1610	Sutton & Scott	Books for library		171 20
OCTOBER, 1871.			\$12,057 81	\$931 19
1611	R. Burr	Salary as Warden	\$166 66	
1612	J. A. Dean	" Deputy Warden	150 00	
1613	O. H. Newton	" Chaplain	125 00	
1614	R. A. McIntire	" Steward	125 00	
1615	C. V. Hamer	" Clerk	125 00	
1616	J. W. Gillies	" Assistant Clerk	83 34	
1617	N. Gray	" Physician	83 34	
1618	G. Cunningham	" Capt. of N. Watch	100 00	
1619	H. A. Clark	" Supt. of Hospital	75 00	
1620	Wm. Arnold	" " Kitchen	75 00	
1621	S. S. Deselle	" " State Shop	75 00	
1622	C. A. Barker	" " Yard	75 00	
1623	J. Haering	" O. in chg. of G. R.	75 00	
1624	S. Boyle	" Guard	65 00	

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General Expenses.	Special Appropriation.
1625	B. W. Botsford.....	Salary as Guard	\$65 00	.....
1626	G. Brodrick	" "	65 00	.....
1627	A. Baldwin	" "	65 00	.....
1628	M. Cunningham	" "	65 00	.....
1629	S. Crane	" "	65 00	.....
1630	Jno. Crane	" "	65 00	.....
1631	B. W. Curtis.....	" "	65 00	.....
1632	J. A. F. Cellar	" "	65 00	.....
1633	C. W. Cram	" "	65 00	.....
1634	F. Decker	" "	65 00	.....
1635	Wm. Dean	" "	65 00	.....
1636	J. A. Dean, Jr.....	" "	65 00	.....
1637	R. S. Duden	" "	65 00	.....
1638	O. P. Duval	" "	65 00	.....
1639	D. Dougherty.....	" "	65 00	.....
1640	W. F. Everett	" "	65 00	.....
1641	D. Fitzwater	" "	65 00	.....
1642	H. A. Farmer	" "	65 00	.....
1643	F. Griffiths	" "	65 00	.....
1644	C. Glass	" "	65 00	.....
1645	T. D. Groves.....	" "	65 00	.....
1646	A. H. Goodwin	" "	65 00	.....
1647	Wm. Ginder	" "	65 00	.....
1648	C. W. Hudson	" "	65 00	.....
1649	D. Hicks	" "	65 00	.....
1650	A. Isler	" "	65 00	.....
1651	J. D. Jones	" "	65 00	.....
1652	R. D. Jones	" "	65 00	.....
1653	E. A. Jones	" "	65 00	.....
1654	W. W. Jones	" "	65 00	.....
1655	G. W. Johnson	" "	65 00	.....
1656	L. Kilbourne	" "	65 00	.....
1657	D. Kelley	" "	65 00	.....
1658	M. A. Lilley	" "	65 00	.....
1659	O. B. McAdams	" "	65 00	.....
1660	E. B. Marshall	" "	65 00	.....
1661	L. Morgan	" "	65 00	.....
1662	J. Wilson	" "	65 00	.....
1663	W. Newton	" "	65 00	.....
1664	W. A. Overholser	" "	65 00	.....
1665	T. J. Outcalt	" "	65 00	.....
1666	A. J. Outcalt	" "	65 00	.....
1667	T. C. Platt	" "	65 00	.....
1668	J. Pritchard	" "	65 00	.....
1669	G. W. Roby	" "	65 00	.....
1670	W. W. Rhoads	" "	65 00	.....
1671	D. Sparks	" "	65 00	.....
1672	J. R. Spencer	" "	65 00	.....
1673	W. M. Smith	" "	65 00	.....
1674	E. B. Slaughter	" "	65 00	.....
1675	Sam'l Saylor	" "	65 00	.....
1676	H. M. Thompson	" "	65 00	.....
1677	C. Tufts	" "	65 00	.....
1678	J. S. Tufts	" "	65 00	.....
1679	A. R. Ticknor	" "	65 00	.....
1680	J. W. Ulem	" "	65 00	.....
1681	J. Q. Vincent	" "	65 00	.....
1682	A. Vincent	" "	65 00	.....
1683	J. E. Watson	" "	65 00	.....
1684	Ed. West	" "	65 00	.....

Detailed Statement of Expenditures—Continued.

No. of voucher.	To whom paid.	On what account.	General expenses.	Special appropriation.
1685	N. P. Finley	Salary as guard	\$50 00	.....
1686	S. Lewis	" "	50 00	.....
1687	M. Syler	" "	50 00	.....
1688	Jos. Woodward	" "	42 98	.....
1689	J. L. Bates	" Director	40 00	.....
1690	Geo. Harsh	" "	78 60	.....
1691	Stanley Matthews .....	" " .....	.....	.....
1692	J. G. Roberts	7 beef cattle	449 50	.....
1693	John Rowland	Hogs	71 76	.....
1694	J. B. Ruak	Salt beef	36 60	.....
1695	Wm. Cox & Co.	"	32 24	.....
1696	Miller & Getz	Flour	350 00	.....
1697	Shuffin & Co.	"	77 63	.....
1698	Brooks, Walker & Co.	Syrup, tobacco, etc.	127 58	.....
1699	Frisbie & Graves	" "	109 27	.....
1700	Wm. Taylor	Tea	77 50	.....
1701	Butler, Earhart & Co.	Coffee	40 30	.....
1702	A. Scrimger	Wheat	167 96	.....
1703	same	"	70 30	.....
1704	same	"	52 65	.....
1705	Wm. Hunter	"	127 79	.....
1706	John Lisk	"	91 77	.....
1707	J. W. McCann	"	69 60	.....
1708	F. Graves	"	46 16	.....
1709	Jacob Hart	"	39 37	.....
1710	J. Scrimger	"	30 74	.....
1711	Thos. Hess	Corn	76 17	.....
1712	Thos. Brelaford	"	10 17	.....
1713	Adam Fenchick	Cabbage	5 62	.....
1714	G. C. Gray	"	5 75	.....
1715	Lewis Reeb	"	10 93	.....
1716	Idiotic Asylum	"	19 87	.....
1717	G. P. Tracy	"	121 67	.....
1718	Ed. Jaeger	"	132 06	.....
1719	J. O'B. Kenick	" and potatoes	20 53	.....
1720	G. S. Innis	" apples	119 30	.....
1721	H. D. Brevort	Potatoes	110 27	.....
1722	J. Bowersmith	Turnips	4 07	.....
1723	Wm. Volrath	Butter	125 87	.....
1724	H. J. Dickerman	"	90 58	.....
1725	J. J. Musser	Apple butter	90 00	.....
1726	Sarah Brown	"	28 00	.....
1727	Sarah Stoner	"	20 70	.....
1728	R. Main	Groceries	49 68	.....
1729	J. H. Barcus & Co.	"	19 67	.....
1730	N. Marion & Co.	"	53 24	.....
1731	Zettler & Ryan	Salt and cement	25 12	.....
1732	J. Greenleaf & Co.	Dry goods	87 67	.....
1733	Miller, Greene & Joyce	"	83 09	.....
1734	Osborne, Kershaw & Co.	"	43 11	.....
1735	Freemans, Staley & Morton	"	25 28	.....
1736	J. R. Stone	"	7 11	.....
1737	C. C. Smith	Leather	127 50	.....
1738	Patterson & Meek	" and findings	60 73	.....
1739	Reed, Jones & Co.	Brogan shoes	60 00	.....
1740	R. Kinsell & Co.	Women's shoes	9 00	.....
1741	C. L. Clark	Yarn	46 25	.....
1742	P. N. Gray	Husks	29 25	.....
1743	A. Evans	"	26 37	.....
1744	H. Plimpton	Hats	17 00	.....

Detailed Statement of Expenditures—Continued.

No. of Voucher.	To whom paid.	On what account.	General expenses.	Special appropriations.
1745	Mrs. E. Harris.....	Hats.....	\$11 50	
1746	G. Postle.....	Straw.....	4 00	
1747	P. Hayden.....	Coal.....	168 00	
1748	Columbus G. Light & Coke Co.....	Light.....	181 94	
1749	".....	".....	141 02	
1750	Braun & Bruck.....	Medicine.....	68 25	
1751	S. E. Samuel.....	".....	15 45	
1752	Tress & Harrington.....	Specs and goggles.....	7 25	
1753	Geo. F. Wheeler.....	Sundries.....	5 74	
1754	Hayden & Baker.....	Hardware.....	76 08	
1755	McCune, Mithoff & Co.....	".....	21 97	
1756	Kilbourne, Jones & Co.....	".....	13 58	
1757	H. Mithoff & Co.....	".....	8 78	
1758	Ohio Tool Co.....	Sundries.....	51 99	
1759	Ruff & Co.....	".....	5 97	
1760	T. Knox.....	Horse shoeing.....	37 75	
1761	J. W. Gillies.....	Pursuit of escaped convict.....	6 80	
1762	C. C. C. & I. Ry.....	Freight.....	4 83	
1763	".....	".....	4 77	
1764	Wm. Quinn.....	".....	2 00	
1765	Frank Syler.....	Brooms.....	3 50	
1766	Columbus G. Light & Code Co.....	Coal tar.....	3 25	
1767	Hayes & Scovil.....	Shoe lasts.....	2 70	
1768	W. U. Tel. Co.....	".....	2 00	
1769	James Meloin.....	Reward.....	1 00	
1770	G. Shegru.....	Box for cart wheel.....	75	
1771	G. W. Gleason.....	Sundries.....	47 77	
1772	Randall, Aston & Co.....	".....	25 71	
1773	Nevins & Myers.....	Printing.....	26 00	
1774	Halm, Bellows & Butler.....	Chair.....	9 00	
1775	W. G. Dunn & Co.....	Carpet, &c.....	192 26	
1776	Convicts.....	Discharged.....	714 00	
1777	John Scheaf.....	Salary.....		65 00
1778	H. J. Rhoads.....	".....		65 00
1779	J. H. Hafford.....	".....		15 48
1780	P. Hayden & Son.....	Hardware.....		71 56
1781	Kilbourne, Jones & Co.....	".....		40 85
1782	H. Mithoff & Co.....	".....		32 82
1783	Columbus Sewer Pipe Co.....	".....		76 15
1784	F. Halley & Son.....	Gal. pump and sheet lead.....		15 08
1785	Randall, Aston & Co.....	Books.....		19 25
1786	O. H. Newton.....	Exp. in purchasing books.....		6 00
1787	Gannon & Williams.....	Work on boiler.....		219 36
1788	A. Hildreth & Co.....	Pine shingles, &c.....		209 06
			\$11,313 88	\$835 61

RECAPITULATION.

	General expenses.	Special appropriations.
November, 1870.....	\$14,321 65	\$2,814 07
December, ".....	16,617 43	3,325 76
January, 1871.....	16,425 77	4,484 17
February, ".....	10,235 12	589 51
March, ".....	8,470 06	557 92
April, ".....	13,016 91	4,165 73
May, ".....	11,953 57	4,553 37
June, ".....	10,673 83	2,107 94
July, ".....	10,906 80	2,861 01
August, ".....	10,550 56	467 67
September, ".....	12,057 81	931 19
October, ".....	11,313 88	835 61
	\$146,543 39	\$27,693 95

EXPENDITURES.

Salaries, rewards, provisions, clothing, etc.....	\$146,543 39
Enlargement and repairs	26,641 39
Library	1,052 56
	\$174,237 34

RECEIPTS.

Receipts	\$183,899 03
Expenditures for all purposes.....	174,237 34
	\$9,661 69
Excess of receipts over <i>all</i> expenditures.....	
Receipts.....	\$183,899 03
Ordinary expenditures	146,543 39
	\$37,355 64
Excess of receipts over <i>all ordinary</i> expenditures	

Table showing the number of Convicts received from each County, District, etc., during the year ending October 31st, 1871, and the number of terms sentenced here.

County or District.	1st Conviction.	2d Conviction.	3d Conviction.	4th Conviction.	6th Conviction.	Total.
Ashland		1				1
Ashtabula	4					4
Allen	3					3
Butler	3					3
Belmont	7	1				8
Clermont	3					3
Cuyahoga	42	3		1		46
Columbiana	3					3
Crawford	7					7
Clark	6					6
Clinton	2					2
Champaign	1					1
Delaware	2	1				3
Darke	5					5
Defiance	1	1				2
Erie	4					4
Fairfield	1					1
Franklin	12	4	1	2		19
Fulton	1					1
Greene	5	3		1		9
Geauga	1					1
Guernsey	3					3
Gallia	2					2
Harrison	1					1
Hamilton	42	6				48
Huron	2					2
Hardin	5	2				7
Highland	2					2
Holmes	1					1
Hancock	1					1
Jefferson	2	1				3
Knox	1					1
Lawrence	10	1				11
Lake	2					2
Lorain	7					7
Lucas	12					12
Logan	1					1
Monroe	1					1
Meigs	1					1
Muskingum	3	1				4
Montgomery	15					15
Mahoning	1					1
Madison	3					3
Marion				1		1
Morrow	3					3
Miami	6					6
Morgan	2					2
Mercer		1				1
Pickaway	4	1				5
Paulding	1					1
Portage	4					4
Preble	3					3
Pike	1					1
Putnam	1					1
Richland	3					3
Ross	3					3

Table showing the number of Convicts received, etc.—Continued.

County or District.	1st Conviction.	2d Conviction.	3d Conviction.	4th Conviction.	5th Conviction.	Total.
Sandusky.....	1					1
Summit.....	3					3
Shelby.....	1					1
Scioto.....	8					8
Stark.....				1		1
Seneca.....	1					1
Tuscarawas.....		1				1
Vinton.....	1		1	1		3
Vanwert.....	2					2
Williams.....	3					3
Warren.....	2				1	3
Wayne.....	3					3
Wyandot.....	3					3
Wood.....	2					2
Southern District Ohio.....	5	1				6
Northern ".....	7					7
Military.....	3					3
Recaptured.....	2					2
Total.....	309	29	2	7	1	348

Crimes of Convicts received during the year ending Oct. 31, 1871.

	No.	Total.
CRIMES AGAINST PROPERTY.		
Horse stealing.....	31	.....
Grand larceny.....	86	.....
Grand larceny and burglary.....	45	.....
Burglary.....	63	.....
Arson.....	4	.....
Theft (soldiers).....	2	.....
Aiding and abetting theft (soldier).....	1	.....
Forgery.....	13	.....
Embezzlement.....	3	.....
Passing counterfeit money.....	8	.....
Stealing United States revenue stamps.....	1	.....
Concealing a thief.....	1	.....
Stealing money from letters.....	2	.....
Stealing letters from post-office.....	1	.....
Stealing letters and destroying mail-bag.....	1	.....
Receiving stolen property.....	3	.....
		265
CRIMES AGAINST PERSON.		
Rape.....	2	.....
Assault with intent to rape.....	8	.....
Assault with intent to rob.....	1	.....
Robbery.....	10	.....
Murder in the 1st degree (commuted).....	1	.....
Murder in the 2d degree.....	3	.....
Manslaughter.....	21	.....
Aiding and abetting manslaughter.....	1	.....
Assault with intent to kill.....	2	.....
Stabbing.....	14	.....
Shooting.....	7	.....
Cutting.....	6	.....
Bigamy.....	4	.....
Perjury.....	1	81
Escaped convicts returned.....		2
Total.....		348

Table showing the Lengths of Sentence of Convicts received during the year ending October 31, 1871.

For 1 year	107	convicts.
" 1 " and 2 months	1	"
" 1 " and 6 months	4	"
" 2 "	52	"
" 3 "	83	"
" 3 " and 6 months	1	"
" 4 "	29	"
" 4 " and 6 months	1	"
" 5 "	27	"
" 6 "	4	"
" 7 "	6	"
" 8 "	4	"
" 9 "	2	"
" 10 "	14	"
" 12 "	1	"
" 15 "	1	"
" 20 "	5	"
" Life	4	"
Returned	2	"
Total number received	348	"

Average length of sentence 3 years and 3 months nearly.

Statement showing the highest, lowest, and average number of Convicts confined during each month of the year, ending October 31st, 1871.

Month.	Highest number.	Lowest number.	Average number.
November, 1870	1,021	995	1,008 5-30
December, "	1,034	1,002	1,025 17-31
January, 1871	1,033	1,015	1,023 8-31
February, "	1,022	1,009	1,018 1-28
March, "	1,022	1,010	1,016 9-31
April, "	1,041	1,028	1,031 13-30
May, "	1,028	1,007	1,020 8-31
June, "	1,034	,011	1,022 20-30
July, "	1,038	1,025	1,032 8-31
August, "	1,024	1,010	1,015 27-31
September, "	1,009	975	997 15-30
October, "	975	955	964 22-31
Daily average for the year .....	.....	.....	1,014½ nearly.

*Table showing the Nativity of Convicts received during the year ending
October 31, 1871.*

United States.....	276
Italy.....	2
Ireland.....	22
England.....	11
Norway.....	1
Germany.....	24
France.....	2
Canada.....	5
New Brunswick.....	1
Scotland.....	2
Switzerland.....	1
Ile-of-Man.....	1
Total.....	348

Table showing the names, etc., of Convicts under sentence for Life in confinement October 31st, 1871.

No.	Names.	Age when admitted.	Nativity.	When received.	County.	Crime.
1	Horace S. Brooks	41	Vermont	November 10, 1851	Cuyahoga	Murder, 2d degree.
2	Simon Behm	40	Germany	August 1, 1855	Hamilton	"
3	William Benhoff	36	"	December 29, 1859	Cuyahoga	"
4	Joel Beery	23	Ohio	February 15, 1866	Portage	"
5	Frederick Buckmaster	41	"	October 15, 1860	Coshocton	"
6	Josiah Baker	27	"	December 9, 1862	Fairfield	"
7	Stewart Branham	56	Indiana	May 30, 1867	Lawrence	"
8	William Buckingham	25	Ohio	June 24, 1869	Hocking	"
9	William Bolton	27	England	April 1, 1868	Huron	"
10	James H. Brown	46	New York	January 7, 1870	Cuyahoga	"
11	Henry Coffar (colored)	20	North Carolina	December 13, 1860	"	"
12	John C. Corder	23	Virginia	June 27, 1865	Fairfield	"
13	William Carroll	22	New York	December 31, 1867	Clermont	"
14	Thomas Day	24	Ireland	July 9, 1870	Cuyahoga	"
15	James English	32	England	December 30, 1868	"	"
16	James Frazier	45	Scotland	October 6, 1846	Washington	"
17	Patrick Flanagan	31	Ireland	December 9, 1857	Licking	"
18	William Forrest (colored)	26	Virginia	October 31, 1866	Erie	"
19	Philip Foutz	45	Ohio	June 21, 1868	Morgan	"
20	John Gull	37	Pennsylvania	October 31, 1836	Stark	"
21	William Graham	50	Ohio	June 23, 1865	Summit	"
22	Geo. Grindle alias Ginnell	26	"	January 11, 1870	Greene	"
23	William Gage	40	Vermont	October 18, 1870	Richland	"
24	John Howard (colored)	29	Ohio	August 17, 1869	Hamilton	"
25	Hiram Hawes	45	Connecticut	April 10, 1854	Clinton	"
26	John Howley	38	Ireland	August 31, 1854	Cuyahoga	1st degree—commuted.
27	Hamilton Harparee	30	Ohio	July 9, 1867	Scioto	2d degree.
28	Henry Harrington	31	Ireland	March 4, 1862	Hamilton	"
29	Jonas Humes (colored)	46	Tennessee	April 20, 1863	Miami	"
30	Samuel Huling	20	Ohio	May 21, 1868	Brown	"
31	Frank Hardy	21	Kentucky	May 3, 1870	Adams	1st degree—commuted.
32	Andrew Kirby	47	Ireland	November 2, 1858	Greene	2d degree.
33	William Kelly	23	"	March 13, 1860	Cuyahoga	"
34	Margaret Kelly	28	"	March 13, 1860	"	"
35	Eli Lecklider	55	Ohio	November 26, 1870	Montgomery	"

Table showing the Names, etc., of Convicts under sentence for Life—Continued.

No.	Names.	Age when admitted.	Nativity.	When received.	County.	Crime.
36	James Leonard.....	25	Ohio.....	May 30, 1854.....	Crawford.....	Murder, 2d degree.
37	Joseph Loeffner.....	35	Germany.....	May 13, 1858.....	Hamilton.....	" and arson—commuted.
38	James Lackey.....	30	Kentucky.....	June 6, 1860.....	Lawrence.....	" 2d degree.
39	Jeremiah Lynch.....	24	Ohio.....	July 20, 1870.....	Hamilton.....	"
40	Thomas Mulhall.....	24	New York.....	September 3, 1869.....	Cuyahoga.....	1st degree—commuted.
41	James McKluney.....	26	Ireland.....	November 4, 1865.....	Allen.....	" 2d degree.
42	Thomas Mimms (colored).....	36	Virginia.....	May 21, 1866.....	Hamilton.....	1st degree—commuted.
43	William L. Morgan.....	27	New York.....	November 9, 1867.....	Franklin.....	" 2d degree.
44	Joseph Matthews.....	23	Ohio.....	June 18, 1860.....	Jackson.....	"
45	Philip Wareham.....	23	".....	May 2, 1870.....	Hamilton.....	"
46	James McDermott.....	24	Canada.....	June 27, 1870.....	Greene.....	"
47	William Numan (colored).....	20	Ohio.....	April 9, 1870.....	Champaign.....	"
48	David O'Conner.....	26	".....	June 20, 1866.....	Butler.....	"
49	William Quinn.....	20	Ireland.....	June 15, 1866.....	Pickaway.....	"
50	Edward Robbins.....	34	Vermont.....	November 1, 1858.....	Marion.....	"
51	Wilson F. Roof.....	20	Ohio.....	June 7, 1867.....	Portage.....	"
52	Edmund Raison.....	22	".....	September 27, 1870.....	Paulding.....	"
53	Wm. Schallenberg.....	45	Germany.....	May 6, 1871.....	Cuyahoga.....	1st degree—commuted.
54	Andrew Spears.....	43	".....	March 12, 1869.....	Lawrence.....	2d degree.
55	James H. Snyder.....	19	".....	June 8, 1869.....	Columbiana.....	"
56	Arad Smith.....	54	New York.....	April 10, 1860.....	Scioto.....	"
57	Hezekiah Stevens (colored).....	18	Ohio.....	June 17, 1863.....	Franklin.....	"
58	Ferdinand Seitz.....	21	Germany.....	November 2, 1847.....	Hamilton.....	"
59	Philip Steinmiz.....	48	".....	April 12, 1870.....	Lucas.....	"
60	Joseph Triplett.....	48	Virginia.....	August 9, 1861.....	Union.....	1st degree—commuted.
61	John Taborn (colored).....	22	North Carolina.....	August 16, 1870.....	Delaware.....	"
62	William Thomas.....	31	Ohio.....	December 10, 1867.....	Preble.....	"
63	James Vickroy.....	19	".....	August 22, 1865.....	Clermont.....	"
64	Thomas Watt.....	35	England.....	December 22, 1868.....	Jefferson.....	"
65	George L. Wilson.....	22	Pennsylvania.....	December 8, 1860.....	Hardin.....	"
66	Sarah M. Victor.....	25	Ohio.....	November 25, 1868.....	Cuyahoga.....	1st degree—commuted.
67	Vendredh D. Washburn.....	25	Ohio.....	November 29, 1870.....	Summit.....	2d degree.
68	Samuel White.....	31	Pennsylvania.....	May 31, 1871.....	Lawrence.....	"

Table showing number and names of Convicts who have died during the year ending October 31st, 1871.

Number.	Names.	Counties.	Term— years.	When received.	Date of death.	Cause of death.	Crime.
1	Samuel Robbins.....	Montgomery.....	Life.	August 3, 1863.....	Nov. 7, 1870.....	Consumption.....	Murder, 2d degree.
2	Moses Sivels.....	Seneca.....	1	June 30, 1870.....	" 19, 1870.....	".....	Grand larceny.
3	John Shannon.....	Hamilton.....	10	March 3, 1868.....	" 26, 1870.....	Insanity.....	Robbery and grand larceny.
4	Lee A. Kelley, colored.....	Franklin.....	2	" 9, 1870.....	Dec. 3, 1870.....	Consumption.....	Burglary.
5	Charles Scoville, colored.....	Erie.....	20	Oct. 23, 1862.....	" 13, 1870.....	".....	Rape.
6	William Turpin, colored.....	Ross.....	3	Dec. 28, 1870.....	Feb. 23, 1871.....	".....	Forgery.
7	Richard Williams.....	Jackson.....	3	March 23, 1869.....	March 12, 1871.....	".....	Burglary and grand larceny.
8	James Duffey.....	Hamilton.....	10	Feb. 10, 1871.....	May 23, 1871.....	".....	Burglary.
9	Daniel Rogers.....	Montgomery.....	2	March 2, 1871.....	" 31, 1871.....	Lead poisoning.....	Grand larceny.
10	Elson Hyson.....	Monroe.....	10	Nov. 1, 1870.....	July 24, 1871.....	Intermittent fever.....	Assault to rape.
11	Robert Edward Evans.....	Ross.....	3	" 30, 1869.....	Aug. 21, 1871.....	Consumption.....	Forgery.
12	David Smith, colored.....	Brown.....	3	Dec. 7, 1870.....	" 31, 1871.....	Congestive fever.....	Burglary.
13	Edward Harris, colored.....	Franklin.....	Life.	May 26, 1868.....	Sept. 4, 1871.....	Consumption.....	Murder, 2d degree.
14	Belle Chapman, colored.....	Hamilton.....	3	Oct. 20, 1869.....	" 29, 1871.....	".....	Malicious stabbing.
15	David Gracy.....	Wyandot.....	3	Jan. 25, 1870.....	Oct. 16, 1871.....	".....	Bigamy.

Table showing the number of Convicts received, discharged, remaining in Prison, etc., at the close of each year since the occupation of the New Prison.

Year.	Received.	Escaped convicts received.	Discharged by expiration of sentence.	Pardoned by Governor or President.	Sent to State Reform Farm.	Taken out for new trial.	Released on writ of error.	Discharged by order of the Supreme Court.	Discharged by military order.	Died.	Escaped.	Civil convicts remaining in prison at close of each year.	Military convicts remaining in prison at close of each year.	Whole number remaining in prison at the close of each year.
1834.....	12	6	6	6	.....	.....	.....	.....	.....	.....	.....	187	.....	187
1835.....	151	44	44	11	.....	.....	.....	.....	.....	6	1	276	.....	276
1836.....	112	32	32	29	.....	.....	.....	.....	.....	11	2	314	.....	314
1837.....	145	33	33	24	.....	.....	.....	.....	.....	9	1	392	.....	392
1838.....	155	61	61	16	.....	.....	.....	.....	.....	26	1	443	.....	443
1839.....	172	60	60	49	.....	.....	.....	.....	.....	16	1	489	.....	489
1840.....	137	78	78	49	.....	.....	.....	.....	.....	4	6	488	.....	488
1841.....	121	66	66	46	.....	.....	.....	.....	.....	13	4	480	.....	480
1842.....	137	82	82	66	.....	.....	.....	.....	.....	8	.....	461	.....	461
1843.....	150	77	77	56	.....	.....	.....	.....	.....	15	3	460	.....	460
1844.....	153	67	67	50	.....	.....	.....	.....	.....	12	.....	464	.....	464
1845.....	150	68	68	44	.....	.....	.....	.....	.....	16	4	482	.....	482
1846.....	151	84	84	44	.....	.....	.....	.....	.....	7	.....	498	.....	498
1847.....	91	78	78	59	.....	.....	.....	.....	.....	.....	.....	445	.....	445
1848.....	120	80	80	53	.....	.....	.....	.....	.....	8	1	425	.....	425
1849.....	155	58	58	62	.....	.....	.....	.....	.....	121	3	336	.....	336
1850.....	193	42	42	34	.....	.....	.....	.....	.....	21	3	424	.....	424
1851.....	203	58	58	78	.....	.....	.....	.....	.....	9	8	469	.....	469
1852.....	237	113	113	68	.....	.....	.....	.....	.....	13	8	508	.....	508
1853.....	238	110	110	77	.....	.....	.....	.....	.....	17	6	531	.....	531
1854.....	229	90	90	26	.....	.....	.....	.....	.....	44	5	587	.....	587

1855	186	121	23	8	9	606	606
1856	196	141	42	10	11	598	598
1857	244	172	47	9	6	608	608
1858	305	171	37	11	1	693	693
1859	330	211	40	6	4	853	853
1860	379	223	51	9	3	932	932
1861	365	246	87	9	4	924	924
1862	237	267	90	11	2	768	768
1863	290	239	48	6	4	740	740
1864	183	234	44	10	1	629	629
1865	385	300	50	11	5	567	567
1866	577	316	41	8	4	815	815
1867	*429	193	60	7	4	968	968
1868	372	252	47	18	3	1018	1018
1869	347	223	54	4	2	974	974
1870	386	283	47	1	2	985	985
1871	346	314	59	2	3	1000	1000
		2	1	15	3	948	948

35—EX. Doc. Pp. 1

* **NOTE.**—The number of convicts to the new from the old Penitentiary, was 189. * Including two who were refused admission at the Reform Farm, and returned.

NOTE.—Discharged on habeas corpus in 1870, 1.

RULES AND REGULATIONS.

By-Laws, Rules and Regulations for the Discipline and Government of the Ohio Penitentiary, established by the Directors and Warden, November 1st, 1870.

DUTIES OF THE WARDEN.

1. It shall be the duty of the Warden to keep a register, in which he shall regularly enter the reception, the previous moral character, habits, and education, (so far as the same can be ascertained), and the discharge, death, pardon or escape of every prisoner.

2. The Warden shall have the entire control and management of the Penitentiary, subject to the authority established by law, and the rules and regulations adopted by the Directors.

3. It shall be his duty to obey and carry out all written orders and instructions that he shall from time to time receive from the Directors.

4. He shall reside at the Penitentiary, and examine daily into the state thereof; visit every department, and see every prisoner confined therein, so often as good order and necessity may require.

5. He shall exercise a general supervision and direction in regard to the discipline and police of the prison, and the business concerns thereof.

6. He shall also see that the prisoners are treated with humanity; that the sick and complaining have proper medical and other attendance, and that they are supplied with such food and medicines as may be prescribed.

7. He shall take proper measures for the health and cleanliness of the prison, and see that the convicts pay proper attention to their persons.

8. He shall not permit any kind of gaming, nor allow profane or indecorous language to be used by the convicts or officers.

9. He shall, when not necessarily engaged in superintending general affairs, and overlooking his assistants in the discharge of their duties, remain during working hours in the Warden's office.

10. He shall pass through the prison before retiring at night, and satisfy himself that all is safe, and that the night watch are properly discharging their duty.

11. He shall inspect the moral conduct of the prisoners, and attend divine service whenever it may be held in the chapel of the prison, unless prevented by sickness.

12. He shall see that the "rules and regulations" prescribing the "duties" of all persons connected with the Institution are strictly observed. He shall report to the Directors all violations of rules by contractors, their foremen or agents.

DUTIES OF THE DEPUTY WARDEN.

1. The Deputy Warden shall attend daily at the prison, from the hour of unlocking in the morning until after the prisoners shall have been locked up at night.

2. In the absence of the Warden from the prison, the Deputy Warden shall perform his duties.

3. He shall spend the whole day in a general supervision of the assistant keepers and prisoners, direct them in their duties, and receive reports from the assistant keepers of all disobedience or violation of the rules by any person connected with the Institution, and report the same to the Warden.

4. It shall be the duty of the Deputy Warden to keep a book in which shall be entered a record of every infraction of the published rules of discipline, with the name of the prisoner so guilty, a transcript of which, so far as relates to the case of all prisoners whose short time will expire within the month next succeeding their regular meeting, shall be submitted to the Directors, at said meeting, by the clerk.

5. He shall cause the locks, doors and cells of the prison to be examined daily.

6. He shall be constantly moving about the Institution, visiting frequently, but irregularly and without notice, the workshops, kitchen, hospital, and all other departments of the prison.

7. He shall inspect the arms and equipments of the wall guards at least once a week, and report any officers who may be found deficient in the required amount of ammunition, or whose gun or equipments or not in perfect order. He shall inspect all the arms and equipments not in daily use, as often as once in two weeks.

8. The Deputy Warden shall not grant leave of absence to any officer for a longer period than one-half day, without consulting the Warden, except in cases of emergency.

9. He shall be present and preside at the meals of the prisoners, unless his place be taken by the Warden.

DUTIES OF THE PHYSICIAN.

1. The Physician shall visit the Penitentiary at least once every day, and personally examine every sick and complaining prisoner that may be reported to him as such, or whom he may find in the cells or hospital, and shall prescribe such medical treatment as their cases require.

2. He shall keep a book, to be called the "Hospital Register," in which shall be entered the names of all the prisoners sick or complaining who require medical treatment, with the disease of each, and his prescription therefor.

3. He shall see that all proper medicine be administered to those who are sick, and perform all surgical operations that may be necessary, and discharge all other duties that properly pertain to his profession, and, if necessity requires it, to pay extra visits; but no surgical operation shall be performed upon any prisoner without his consent, or the consent of two of the Directors.

4. When a prisoner dies, the Physician shall record the nature of the complaint, and all the circumstances connected therewith that he may deem proper and necessary.

5. He shall in all cases direct the diet to be prepared for the sick; and should it happen that his direction or prescription be neglected, he shall report the same to the Warden.

6. He shall, as often as may be necessary, furnish the Warden a memorandum of such medicines, provisions, and other supplies, as may be required for the hospital.

7. He shall, from time to time, visit the kitchen, ascertain the kind and quantity of food which is furnished to the convicts, and recommend to the Warden such changes of diet as he may deem best for the health of the prisoners.

DUTIES OF THE CHAPLAIN.

1. It shall be the duty of the Chaplain to conform in all cases to general rules and regulations of the prison, subject to the control of the Warden, as to his intercourse with the convicts.

2. It shall be his duty to see that each convict is furnished with the Bible or a Testament.

3. To preach to the prisoners every Sunday, or, when necessarily absent, to engage some regularly ordained preacher to fill his place.

4. To see that the Sunday school is properly attended and supplied, so far as practicable, with suitable teachers and books.

5. It shall be his duty to visit those who are sick in the hospital, and administer to their spiritual wants.

6. He shall have the liberty of visiting any prisoner who wishes to see him, subject to the control of the Warden.

7. He is to use his best exertions to promote the moral and religious welfare of the prisoners, as well as the harmony and general interests of the Institution.

8. He shall not furnish the prisoners with any information or intelligence in relation to secular matters, except by permission of the Warden.

9. Nor shall he have any intercourse with the prisoners other than such as shall be necessary and proper in teaching them the branches of education authorized by law, and imparting such moral and religious instruction best calculated to promote their subordination, reformation and spiritual welfare.

10. He shall have charge of the prison library, keep a schedule of the books contained therein, see to their distribution to the prisoners, and their return again to the library at the required time; also, report to the Directors the condition thereof, in his annual report, or oftener if requested to do so.

11. Sectarian doctrines in matters of religious belief shall not be taught. If any prisoner desires communication with the minister or instructor of his particular faith, on proper application to the Warden, and at his discretion, it shall be allowed under and in conformity with the general regulations of the prison; but such minister or instructor, on such occasions, must in all things conform to the rules and regulations for the government of the Chaplain; any infringement or departure from which will debar him from future intercourse with the prisoners.

SPECIAL DUTIES OF THE NIGHT-WATCH.

1. They shall go on duty in the evening at the sound of the bugle, which is also the signal for the discharge of the day-keepers, and remain on duty until the signal is given in the morning for unlocking the cells of the convicts.

2. The Captain of the night-watch shall be held responsible for the security of the prison, and see that good order is maintained during the night. He shall report in the morning any unusual occurrence, or any violation of the laws or regulations of the prison, that may have taken place during the night. It shall also be his duty to call the Warden, at any hour of the night that he may regard his presence necessary.

3. It shall be the duty of the keepers having charge of the halls during the night to be moving around the cells with socks on, in a silent manner, that they may be able to detect any unnecessary noise; and it is strictly enjoined upon them not to hold the least conversation with the prisoners, or to suffer the prisoners to speak to them, except to make known their immediate necessary wants, and to use their utmost exertion to suppress noise of any kind, and to report to the Warden or Deputy any violation of the rules and regulations of the Penitentiary by the prisoners, while in their cells.

DUTIES OF GUARDS.

The guards shall be the agents of the Warden in enforcing the police and discipline of the prison, and in carrying into effect the laws for the government thereof.

1. It shall be the duty of the guards to attend at the prison at the opening thereof, and not to absent themselves therefrom on any pretext or excuse during prison hours, except by permission of the Warden or Deputy Warden.

2. While within the prison, the guards shall refrain from singing, whistling and scuffling, immoderate laughter, boisterous conversation, exciting discussions upon politics, religion, or other subjects, provoking witticisms or sarcasms, and all other acts calculated to disturb the harmony and good order of the prison.

3. In their intercourse among themselves, the officers and guards of the prison are at all times to treat each other with that mutual respect and kindness that become gentlemen and friends; and are required to avoid all collisions, jealousies, separate and party views and interests among themselves; and are strictly forbidden to treat each other with disrespect, or any ungentlemanly epithets.

4. They shall not, while on duty, hold conversation with each other, nor with contractors, or their foremen, except such as may be necessary in the discharge of their duties.

5. Neither shall they be engaged, while on duty, in reading, writing (other than making necessary entries), or in any other employment calculated to interfere with constant watchfulness and vigilance.

6. They shall not, under any circumstances, allow prisoners to speak to them upon any subject not immediately connected with their duty, employment or wants.

7. They shall keep the convicts under their charge diligently at work, at the several occupations at which they are employed.

8. They shall not permit them to hold any conversation with each other, or with any person whatever, except those allowed by law, nor to communicate with each other by signs or signals, except as hereinafter provided.

9. They shall require the greatest possible cleanliness in the convicts, their persons and clothing, and in their working and sleeping apartments.

10. They shall instruct them in all the rules of the prison necessary for their government, and admonish them on the least appearance of insubordination.

11. They shall not punish or strike a convict with a cane or stick, or with the fist or feet or any weapon, unless it be in self-defense or to quell an insurrection; nor shall they use any profane or indecorous language to them, or in their presence, but shall uniformly treat them in a kind and humane manner.

12. They shall not allow their prisoners to leave their work without permission, nor shall they allow them to speak to or gaze at visitors.

13. They shall not receive from or deliver to a prisoner any article or thing whatsoever, without the knowledge or consent of the Warden or his Deputy.

14. As soon as the prisoners are locked up at night, each guard having charge of a division shall report immediately to the Deputy Warden the number they have locked up or have in charge.

15. The officer in charge of the kitchen shall inspect the table at each meal, and see that every convict has plentiful rations of wholesome food; the guard in charge of each company shall walk in front of each man and inspect his plate before eating; if anything needful is wanting he shall see that it is supplied, and no convict shall commence eating until all are seated.

DUTIES OF CONTRACTORS.

1. Contractors, their agents and foremen, shall hold no intercourse with any convict other than those employed or superintended by them; nor upon any subject whatever other than the business carried on by them.

2. They are to confine themselves strictly to their business, and are not to leave the shops where their business is carried on, to visit any other part of the prison.

3. Their intercourse with the officers and guards of the prison shall be such only as is necessarily connected with the prosecution of the business under their charge.

4. They are not, under any circumstances, to inflict any punishment, or to enforce the discipline in any manner, upon any convict whatever.

5. They are to report to the guards having charge of the convicts in their department all violations of the rules and regulations of the prison.

6. No foreman shall be employed by contractors within the prison without first obtaining the consent of the Warden; and no persons, other than the necessary foremen, shall be employed with the convicts, or in any other manner, in the prison.

7. They shall not apply any harsh or opprobrious epithets to the convicts, nor use any profane language in their presence.

8. The teamsters or other persons in the employ of the contractors, who may occasionally visit the prison, shall not be permitted to speak to a convict without permission of an officer.

9. Every contractor shall keep in each shop twelve buckets of water, of not less than three gallons each, in a convenient place for use in case of fire.

10. Every contractor shall keep a fire watch on duty for two hours after the men are locked up.

11. Contractors will not be permitted to have more than three days' supplies, or as near that amount as practicable, of raw or unmanufactured material—when such material is combustible—within the yard; and such supplies to be stacked or piled on ground designated by the Directors and Warden.

12. Temporary wooden buildings will not be allowed within the walls.

13. All scraps, shavings, chips, sticks, and other combustible waste, must be disposed of each day, either for fuel or by removal from the yard.

14. Old trash and other material, not necessary to carry on the business of the contract, must not be permitted to accumulate within the yard or shops.

15. All officers and guards are expressly charged with the execution of the above orders, and are directed to report any neglect or violation of the same.

DUTIES OF THE PRISONERS.

1. They are to labor faithfully and diligently, to obey all orders promptly, and to observe unbroken silence.

2. They are not to exchange a word with each other, under any pretence, nor to communicate any intelligence to each other in writing; they are not to exchange looks, winks, laugh with each other, or make use of any signs except such as are necessary to convey their wants to the waiters.

3. They must approach their keepers in a respectful manner, and be brief in their communication; they are not to speak to them on ordinary topics, nor address them, except when it becomes necessary in relation to their work or their necessary wants.

4. They shall not, at any time, or under any pretence, without leave, speak to any person who does not belong to the Institution; nor receive from them any letter, paper, tobacco, or anything whatever; they are not to leave the place where they are put to work, nor the work they are set to do, without the special permission or orders of the proper officer; they are not to suffer their attention to be taken from their work to look at visitors, nor are they to gaze or look at them when unemployed.

5. No convict is willfully or carelessly to injure his work, tools, wearing apparel, bedding, or any other thing belonging to or about the prison; nor will any prisoner be suffered to mark, injure, or in any way deface the walls, or any part of his cell, or night room; nor is he to execute his work badly, when he has the ability to do it well.

6. No convict shall receive or transmit any letter or paper, except under the inspection of the Warden; nor shall such convict converse with any person, except the Governor, Heads of Departments, Members of the General Assembly, Judges of the Supreme and Common Pleas Courts, and Officers of the Prison.

7. Each prisoner, as far as practicable, shall occupy the same cell every night. As they enter their respective cells, each prisoner, after setting down his room-bucket, must draw the door of his cell until it strikes the latch, and in this position stand, holding the door, until the turnkey approaches and enters the key; the prisoner shall then instantly close his door.

8. At the ringing of the bell, every prisoner must go to bed immediately, (but they may go to bed previously if they choose) and a profound silence must be observed from that time until the sound of the bell in the morning, at which time every prisoner must immediately dress himself and prepare to march out.

9. They shall always march in military step, and in such order as may be designated by the officers in charge; while in their cells, and while marching, and at all other times, all unnecessary noise must be avoided.

10. No prisoner will be suffered to sleep with his clothes on.

11. If a prisoner becomes sick, or from any cause feels unable to work, he shall report himself to the officer under whose charge he may be.

12. Convicts will only be allowed such food, tobacco and clothing as are issued in the prison.

13. For all willful violation of the above rules, punishment will certainly be inflicted.

ALLOWANCE FOR EACH PRISONER.

Each male prisoner is allowed one hat or cap; one jacket; two hickory shirts; one pair of pants; one pair of shoes. Those working in the Wire Mill, Hoe Shop, Blacksmith Shop, Buckle Shop, Foundry, the grinders and polishers, may have such additional clothing as may be considered necessary by the proper officer. In winter season, the Warden will allow to those who, in his judgment, require them, a sufficiency of underclothes, and to each man a vest and two pair of socks. All other clothing in the hands of prisoners, or which may hereafter be found in their possession, will be taken from them by any officer discovering the same, and returned to the Superintendent of the State Shop. Each prisoner may also have in his possession, one handkerchief; tooth pick, and tooth brush; a fine and coarse comb; his letters coming through the office; photographs or other pictures of his friends; his ration of tobacco, of the kind issued by the State; a knife, the blade not to exceed one inch in length, and made blunt at the point; and his own books, his name to be written plainly, with ink, across the printed matter, in at least three places.

BOOKS.

1. All books, magazines, etc., both those belonging to the State and to prisoners, will be placed in the Library, under the control of the Chaplain. They will be issued by him as required, and he will make careful examination of the same when prisoners return them, to prevent defacing, mutilation and destruction.

2. Prisoners under punishment will have their books (except the Bible) taken from them by the officer in charge of the hall, whose duty it shall be to see that they are returned to the Chaplain.

3. The Chaplain may allow prisoners, having books of their own, to loan them to other prisoners, providing, those desiring the loan, merit such favor by general good conduct.

4. The Chaplain will keep a list of the private books, together with the names of the owners thereof, in order that they may be returned to such owners when discharged from the prison or when deemed proper.

GENERAL RULES AND REGULATIONS.

1. Ten guards shall stay at the prison each evening; they shall do fire-watch or patrol duty and lodge at the prison during the night. The outer doors of the prison shall be closed at 10 o'clock P. M., at and after which time such guards as lodge out of the prison must be at their residences, ready to be called to the prison at any moment their services may be required.

2. No ardent spirits, wines, strong beer or ale are, upon any occasion, to be used by any officer, contractor or foreman in or about the prison; neither are they to suffer any other person to bring the same within the prison walls, except for the hospital, to be used for medicine, under the direction of the Warden or Physician.

3. The convicts shall have at all times the liberty of speaking to the Directors when present at the prison.

4. Any guard who shall sleep while at his post, or while in charge of any other duty, or shall neglect the same, or who shall behave improperly, shall be discharged from the Institution.

5. The guards must yield that ready obedience to their superior officers so necessary to secure the beneficial results of effective co-operation and good government.

6. They shall not allow any persons to go on the walls, or into the prison, without permission from the Warden, Deputy Warden or Clerk.

7. They shall not be permitted to have any unnecessary conversation in the guard-room while the Deputy Warden is taking the report, or in the dining-room while the prisoners are at their meals.

8. No person shall be allowed to be present in the washing-room while prisoners are being washed and changing clothes, except officers or guards of the Penitentiary.

9. No officer or guard of the prison, or other person, shall buy for him or themselves any provisions, fuel or supplies, or any article, in connection with the supplies purchased for the prison, nor shall officers or other persons use for themselves or family, or purchase any provisions, fuel or supplies, or any article whatever, bought for the use of the Institution.

10. No contractor shall be allowed to give any guard any reward or present, and any guard receiving such reward or present shall be immediately discharged.

VISITORS.

1. All persons not connected with the Penitentiary, except contractors, their foremen and employes, and such persons as are authorized by law to visit the prison, are regarded as visitors, and are subject to the same rules.

2. Visitors will not be permitted to enter the prison unless accompanied by an officer or guard of the Penitentiary; and when within the prison, will be under the surveillance of the officer or guard accompanying them.

3. Visitors will have no intercourse whatever with the convicts; and when passing through the prison will conduct themselves in a quiet and orderly manner—loud talking, laughing, and personal allusions to convicts, by remarks, pointing, or otherwise, being positively prohibited.

4. Visitors must enter and depart through the guard-room.

5. On Sunday, visitors will only be allowed during church service; and are required to leave the prison yard before the prisoners leave the chapel.

6. It shall be the duty of any officer or guard of the Penitentiary, when persons are found within the prison contrary to, or in violation of any of the above rules, to see that they are at once stopped, and leave the prison grounds.

REPORT OF SUPERINTENDENT STATE SHOPS.

Col. R. Burr, Warden Ohio Penitentiary :

SIR: The "Time Book" for the State Shops, Ohio Penitentiary, shows that during the year ending October 31, 1871, there was performed in these shops, twelve thousand one hundred and twelve days' convict labor.

Of this number there was performed—

By able-bodied convicts.....	3,980 days.
By invalids and minors	8,132 "
Total	12,112 "

This labor was employed as follows, approximately:

Caning chair seats.....	3,000 days.
Making and repairing clothing and bedding.....	8,000 "
Making and repairing cans, vessels, tubs and pails	1,112 "
Total	12,112 "

At minimum contract rates, this labor was worth, as follows:

3,980 days at 70c	\$2,786 00
8,132 " 45c	3,659 40
Total	\$6,445 40

As the product of this labor, I append a summary of my monthly statements for the year, to wit:

Convicts' clothing and bedding made	\$5,846 03
" " repaired.....	7,481 90
Caning seats for Bailey & Marple.....	2,165 61
Total	\$15,493 54
Deduct value of labor at contract rates	6,445 40
Net labor earnings for the year	\$9,048 14

The cash outlay for clothing and bedding for convicts for the year ending October 31, 1871.....	\$10,260 84
This outlay for the preceding year was	10,629 95
And for the year ending October 31, 1869, it was.....	9,420 52

The average number of prisoners furnished with clothing and bedding during the year ending October 31, 1871, was	1,014
This average for the preceding year was	1,013
And for the year ending October 31, 1869, it was	1,018

The personal accounts show that the general and special wants of the convicts have been met during the year just closed, as fully as in any previous year. The general appearance, value and fitness of clothing furnished convicts when discharged, has been visibly and materially improved during the year, for which I am sure the State has the profound thanks of its liberated wards.

For the amount of material used, for the number of articles made, for the number of articles repaired, and for auxilliary work done in the State Shops, during the year ending October 31, 1871, you are respectfully referred to the tables, 1, 2, 3 and 4, which accompany this communication.

With thanks for many acts of official and personal kindness,

I am, sir,

Very respectfully,

Your obedient servant,

SAML S. DESELLEM,

Supt. State Shops, O. P.

I.—Annual Statement of the Superintendent State Shops, U. P., for the year ending October 31st, 1871.

Amount of material used in making Clothing and Bedding, for Convicts, during the year ending October 31, 1871.

Month.	Warp—yards.	Yarn—lbs.	Sheeting—yards.	Ticking—yards.	Hickory—yards.	Toweling—yards.	Satinet—yards.	Oil cloth—yards.	Husks—lbs.	Sole leather—lbs.	Upper leather—sides.	Russet—sides.	Calf skins—sides.	Stocking yarn—lbs.	Spool cotton—dozen.	Patent thread—lbs.	Buttons—gross.	Buckles—gross.	Carpet warp—lbs.
1870—November.....	678	218	348	130	408	119	56	12	1590	382	24	15	...	...	30	10	9	4	...
December.....	2000	600	327	413	445	128	24	12	4177	514	34	20	2	...	10	10	18	18	...
1871—January.....	...	148	429	368	527	147	57	12	2335	446	25	13	2	...	25	10	17	5	...
February.....	1206	1155	662	344	453	100	23	12	2762	400	20	12	2	...	20	10	16	...	...
March.....	...	...	759	610	374	107	109	12	1458	426	19	21	2	...	13	10	...	...	...
April.....	600	396	837	535	458	73	27	12	...	337	15	15	...	...	26	10	26	5	...
May.....	1800	203	809	300	412	108	55	12	...	510	13	3	...	...	12	...	72	...	...
June.....	...	337	364	83	442	101	23	...	...	326	11	3	...	...	6	...	...	...	...
July.....	...	185	180	129	117	75	28	12	...	344	15	12	...	...	35	10	...	...	...
August.....	...	...	237	96	831	73	59	24	...	316	11	18	...	...	15	...	2	4	...
September.....	...	...	272	48	533	38	163	...	...	332	16	10	2	...	28	...	12	...	...
October.....	...	...	173	94	369	97	159	...	...	272	13	16	...	...	20	10	...	...	...
Total.....	6278	3242	5406	3154	6440	1159	782	120	12,322	4609	216	163	8	410	240	50	172	18	120

I.—*Sundries for the year ending October 31, 1871*—Continued.

Silicia	248½ yards.
Cotton flannel.....	376 "
Canvas	25 "
Wadding.....	24 sheets.
Wigan	25 yards.
Alpacca.....	53 "
Awning stripe.....	200 "
Velvet	7 "
Fringe	6 "
Red flannel	20 "
Shoe nails.....	250 lbs.
Shoe pegs	2½ bush.
Bristles	1 lb.
Shoe thread.....	9 lbs.
Gum trag	2 lbs.
Color	12 bottles.
Brogan shoes	30 prs.

CITIZEN CLOTHING.

Citizen hats.....	156.
Cotton socks	252 prs.
Paper collars.....	44 boxes.
Undershirts	48.
Drawers	24.
Combs	110 dozen.
Brooms	372.
Woolen socks.....	300 prs.
Wool hats.....	24.

II.—Articles of Clothing and Bedding made for Convicts during the year ending October 31st, 1871.

10-71.	Coats.	Vests.	Pants.	Shirts.	Socks.	Aprons.	Overalls.	Caps.	Quilts.	Sheets.	Slips.	Towels.	Over-shirts.	Handkerchiefs.	Mittens.	Suspenders.	Shoes.	Boots.	Under-shirts.	Drawers.	Citizens' coats.	Citizens' pants.	Citizens' vests.	Citizens' shirts.	Mattresses.	Rag carpets.	Shrouds.	Yards of cloth woven.	Yards of linsey woven.	
Nov.			62	115		23	9	20		26	108	52	48	78	92	97	31	28	178			6	18	4				3	195	483
Dec.			61	91	12	38	1			51	82	101	57	50	179	44	111	45	15	196	7	7	12		39		2	236	359	
Jan.			117	127		29	6	24		42	51	140	40	49	46	73	98	35	54	106			10						300	336
Feb.			116	144		28	3	45		123	51	117	42	96	12	22	90	31	121	31		5	8	12	24			1	311	353
March.			184	72		36	2	30		35	35	106	64	68		83	72	34	107	36		14	10	22	12	84		1	509	316
April.			112	120		29	45	186		43	64	100	25	76		156	67	26	38			6	10	8	106			2	313	86
May			204	101		25	1			45	44	109		36	2	61	67	7				8	12	12	12	55		2	495	50
June	12	12	106	152		15	37	60		36	44	106		72		82	54	11				3	4	24	24	7	122		350	
July			101	200		22	4	132			82	48	60	60		60	62	15	24			4	24				1	300	100	
August.			87	120	316	37	5				82	24	32	32		80	33	22	89			14	14	12			2	224	300	
Sept.			48	48		25			6	4	3	36		32	6	36	79	11	106			24	23	8	11		2	110	310	
October.				48	1016	8			9			47	20	16	1	30	52	18	37			32	26	38	39		1	22	9	
Totals	12	12	1198	1338	1344	315	109	500	11	405	400	1134	378	635	324	819	882	286	619	477	116	107	196	196	369	212	15	3365	2702	

III.—Number of Articles repaired in the State Shops, O. P., during the year ending October 31st, 1871.

Month.	Pants.	Shirts.	Socks.	Shoes.	Coats.	Vests.	Aprons.	Overalls.	Caps.	Quilts.	Sheets.	Slips.	Mittens.	Citizens' coats.	Citizens' pants.	Citizens' vests.	Cans.	Cups.	Vessels.	Tubs.	Pails.	Total number of articles repaired.
1870—November	1,105	2,327	1,264	370	9*	267	49	3	11	85	33	33	2	32	33	20	32	..	86	13	20	..
December	1,102	2,309	1,023	338	40	5	31	11	12	98	92	92	6	26	24	16	46	3	158	14	20	..
1871—January	952	2,173	1,512	334	52	25	38	3	..	76	55	55	7	18	20	12	70	..	84	10	29	..
February	877	1,911	1,538	232	45	15	35	4	16	93	47	47	4	26	21	14	57	..	91	7	20	..
March	1,068	2,440	2,101	254	77	25	58	4	76	83	48	..	1	22	17	5	68	..	82	18	16	..
April	979	2,090	2,513	238	60	3	39	5	1	29	17	17	1	22	27	12	68	..	130	10	5	..
May	737	2,369	2,006	276	110	3	26	7	..	30	20	20	..	8	11	9	57	..	135	7	28	..
June	823	2,413	1,355	286	49	..	21	5	..	47	41	24	..	32	38	15	111	..	71	18	14	..
July	814	2,436	1,062	234	40	25	23	11	..	161	29	16	..	14	17	6	50	..	37	33	18	..
August	962	2,482	937	244	52	1	31	11	4	167	28	21	1	2	2	2	38	1	92	17	21	..
September	912	2,282	888	250	120	1	56	3	15	138	77	105	..	10	14	6	102	..	8	16	6	..
October	639	2,160	772	238	25	404	47	1	..	..	..	..	..	13	14	7	52	..	8	94	21	..
Total	10,970	27,283	16,971	3,296	766	774	454	68	124	513	669	478	21	215	248	124	743	4	912	257	220	65,111

IV.—*Auxilliary Work done in the State Shops of the Ohio Penitentiary during the year ending October 31st, 1871.*

1870-71.	Grecian seats.	Nurse seats.	Large rocker seats.	Oval seats.	Child's seats.	Round seats.	Large rocker backs.	Nurse backs.	Oval backs.
November	402	6	94	.....	26	.....	237	200	54
December	337	.....	109	.....	69	.....	180	183	30
January	466	.....	87	.....	47	.....	142	134	69
February	592	4	78	15	22	.....	170	48	41
March	802	7	134	65	72	.....	69	73	22
April	514	.....	51	42	67	.....	70	208	40
May	793	.....	182	100	53	79	131	295	56
June	£62	.....	161	123	279	143	88	127	49
July	1293	58	86	80	86	178	149	145	81
August	955	46	99	69	138	160	87	162	68
September	548	44	65	67	289	462	14	54	119
October	297	.....	69	51	128	354	42	.....	71
Totals	7861	165	1195	612	1276	1406	1379	1629	700

RECAPITULATION.

Name.	Number.	Price.	Totals.
Grecian seats	7861	10c	\$786 10
Nurse seats	165	14c	23 10
Large rocker seats	1195	18c	215 10
Oval seats	612	20c	122 40
Child's seats	164	6c	9 84
" "	1112	8c	88 96
Round seats	1406	16c	224 96
Large rocker backs	1379	20c	275 80
Nurse backs	1629	15c	244 35
Oval backs	700	25c	175 00
Totals	16,223	.....	\$2,165 61

CHAPLAIN'S REPORT.

OHIO PENITENTIARY, Dec. 4, 1871.

To the Board of Directors of the Ohio Penitentiary :

GENTLEMEN—The time has come for me to submit to you my Annual Report, for the year ending October 31, 1871.

There were remaining in the prison at the close of the last year, ten hundred convicts. Three hundred and forty eight have been received during the year, making an aggregate number of imprisonments for the year of thirteen hundred and forty-eight. Of the three hundred and forty-eight received during the year, forty-four were colored ; sixty-seven were under twenty-one years of age ; forty-six ran away from home ; two hundred and seventy-seven were intemperate ; two hundred and forty-three left home under age ; eighty had never attended Sabbath school at all, and but very few had attended regular ; thirty-nine could not read ; nine had a classical education. These figures show that but a small portion of our convicts have had any proper parental training, and that eight-tenths of all that were sent to the prison during the year were intemperate men.

There is no *crime* in our land that is so injurious to society, as the crime of *selling* and *drinking* of intoxicating liquors.

LIBRARY.

We have added, during the year, quite a large number of interesting and instructive volumes to the Prison Library, making the aggregate number of volumes now in the library, two thousand, besides a large number of monthly magazines, which are taken for the benefit of the prisoners. These, with the books, are very generally appreciated, and I have been pleased to see the increasing demand for books of history, of travels and of a religious character.

I have given my undivided time to my work. The reading of the prison correspondence, religious conversation with those who have been interested in the great salvation, besides many other duties of my office, with my preparations for the Sabbath, keep me fully occupied during the week.

The religious exercises on the Sabbath consist of a service in the Female Prison, one in the dining room, one in the hospital, the Sabbath school, preaching in the chapel, and prayer and conference meetings, which are now attended by nearly four hundred prisoners.

The Sabbath school is an instrumentality of great good to the men, and although it now consists of nearly four hundred members, I would gladly increase its numbers if we could secure a greater number of teachers.

Quite a number of noble christian men from the city, are faithful instructors in the Sabbath school; these, with a number of our officers and guards who volunteer their service, make up our corps of teachers. Their labors are highly appreciated by the prisoners, and not a few of these, I trust, have been led to the Savior through their instrumentality.

In my department the past year has been one of much promise. The religious reformation which commenced towards the close of the previous year, has gone steadily on, and gives constant and increasing evidence of being truly the work of God. At the close of the previous year sixty-seven had made a public profession of their faith in Christ and united with the Young Men's Christian Association, or "Prison Church;" that number has now increased to two hundred and sixty, besides thirty candidates who have passed examination, and stand propounded for membership.

About seventy of the members have gained their liberty, and have gone forth into society: to these, and to those of this class who shall follow them, we look as the representatives of the reformation that is going on within the prison walls. But a short time has as yet elapsed in which to test the genuineness of their professed reformation, and notwithstanding all have not proved true, yet the results thus far are highly gratifying and give us reason to hope for great things. We are content to labor on and wait for time and temptation to put our converts to a more thorough test, and we doubt not that they will compare favorably with converts secured under more favorable circumstances.

We feel that the work is of God, and one of the encouraging evidences of this is the fact that Christians everywhere are becoming more interested in men shut up in our prisons, and are beginning to wake up to the fact that souls may be saved within prison walls. And their sympathy begins to go out towards those converted convicts who are struggling for a better life. As this sympathy is felt and extended by Christians, the work of reformation among prisoners will be more easily effected.

I have been pleased to see the interest that is felt by good people in this prison reform and its effects, and well may society be interested, for in proportion as this work becomes thorough and extensive is society

protected; and not only so, but those who were once bad men become good men, and a lasting blessing is secured to many souls.

In my work I have received constant and most valuable aid from the officers, and from quite a number of the guards; some of the latter are most effective workers, and devote much valuable time to the spiritual welfare of the men, notwithstanding their duties as guards are so confining; many of them, in their shops, are ready to speak for Christ, and to point the inquiring soul to the "fountain of life." Such men are of great value to the prison, and just in proportion as all the influences that are brought to bear upon the men shall be of a pure, elevated and Christian character, just in that proportion will the work of reformation among the prisoners go forward.

We rejoice and take courage at what has been done; and we are confident that He who has commenced this good work will crown with success all those efforts which are put forth, in wisdom and sincerity, for the elevation of these fallen men.

O. H. NEWTON, *Chaplain.*

STEWARD'S REPORT.

STEWARD'S OFFICE, OHIO PENITENTIARY,
COLUMBUS, O., Oct. 31, 1871.

To the Board of Directors of the Ohio Penitentiary:

GENTLEMEN:—An epitome of my labors, for the twelve months ending October 31, 1871, is herewith respectfully submitted:

The duties of the Steward are routine, and one year is, in most part, a duplicate of all others.

During the financial year just closed, fifteen hundred and forty-one purchases have been made in this department, amounting, in the aggregate, to \$79,727.89. The sales number one hundred and fifty-two, amounting to \$4,148.28.

For a minute detail of all the official acts of the Steward, which are confined to making purchases and sales, on the order of the Warden, you are respectfully referred to the tables annexed, and to the books of this department.

I refer, with some degree of pride, to the fact that the Ohio Penitentiary still stands in the category of self-sustaining institutions—the receipts exceeding *all* disbursements by nearly ten thousand dollars.

A bountiful Providence has again filled the land with plenty, and no difficulty has been experienced in filling all requisitions, many as they are, for all the various departments of the institution. We think it is not arrogating too much to say that the requisite wants of the prisoners have been met in food, clothing and all the other necessities of life, quite as well as the average of citizens of the great State of Ohio. It is true that their wardrobe and bill of fare embraces neither styles nor luxuries; but the kind, quality, quantity and variety have been amply sufficient to meet, in this respect, all the needful and legitimate wants of man. The health and physical condition of the prisoners are good, and that, with those who, from the very nature of the case, can have no choice as to "what

they shall eat, what they shall drink, or wherewithal they shall be clothed," fully attest the fact, and is, we think, indubitable evidence that the course pursued and the rules applied are in harmony with nature and obedient to her commands.

Thanking you for your kindness and support,

I am, gentlemen,

Your obedient servant,

R. A. MCINTIRE,

Steward O. P.

PHYSICIAN'S REPORT.

HOSPITAL OHIO PENITENTIARY,
COLUMBUS, OHIO, Nov. 30, 1871.

To the Board of Directors Ohio Penitentiary :

GENTLEMEN :—I have the honor to submit the following report of the sick and wounded received in this hospital for the year ending October 31st, 1871, with a list of cases.

We have had no epidemic of severe or fatal disease during this year. Early in the summer a prisoner came in with catarrhal ophthalm, which was evidently contagious. In a few weeks we had fifteen cases under treatment. The disease was transmitted from one to another by the men washing in the morning in troughs, one company after another, without changing the water. The Warden's attention was called to the facts above stated, when a washing stand was so arranged that each would be supplied with pure water, since which time but three cases have occurred of the character of the first received.

We have had three deaths from acute disease; one from malarial poison, one from peritoneal inflammation, and one from inflammation of bowels following lead colic, induced by careless handling of lead paints. There have been no severe wounds during the year, yet from small ones the State has lost fifteen hundred days' work by the men being disabled.

It will be seen by the list of deaths that twelve out of fifteen have died from consumption. There have also been several pardoned who were in the last stage of tubercular disease. In the lists of deaths for 1869 and 1870, out of thirty-one deaths from disease, twenty died from tubercular disease. In making examination of those dying in the Penitentiary, we find the deposit of tubercle in larger masses, and involving more of the important organs of life, than in any other class of persons we have examined, dying of this disease. From our experience this year we are still more convinced that the cause of this excess of tubercular disease is in the ill-ventilated cells. The blood becomes vitiated and digestion imperfect, supplying the elements for tubercular deposits.

I am, gentlemen,

Your obedient servant,

NORMAN GAY,
Physician Ohio Penitentiary.

List of sick and wounded received for the 12 months ending October, 1871.

	No. of cases.	No. of deaths.
Typhoid fever	2	.....
Typho-malarial fever	26	.....
Intermittent "	34	.....
Remittent "	16	.....
Pernicious intermittent fever	1	1
Continued fever	7	.....
Acute diarrhœa	24	.....
Chronic "	4	.....
Dysentery	4	.....
Diphtheria	1	.....
Erysipelas	6	.....
Inflammation lungs	1	.....
" pleura	1	.....
" eyelids	65	.....
" throat	5	.....
" bladder	1	.....
" bowels	2	2
" tonsils	2	.....
Gonorrhea	6	.....
Rheumatism, acute	27	.....
" chronic	8	.....
Syphilis, primary	3	.....
" secondary	22	.....
Strictures urethra	3	.....
Scrofula	3	.....
Scurvy	11	.....
Purpura	1	.....
" hemorrhage	1	.....
Hemorrhage lungs	1	.....
Consumption	14	12
Abscesses, scrofulous	4	.....
" acute	26	.....
Boils	6	.....
Felon	1	.....
Prurigos	3	.....
Herpes, zoster	5	.....
" circinatus	2	.....
Eczema, chronic	1	.....
Cirrhosis of the liver	1	.....
Exostosis femur	1	.....
Congestion liver	1	.....
Neuralgia	8	.....
Piles	5	.....
Burns and scalds	12	.....
Sprains	8	.....
Wounds, contused	36	.....
" encised	22	.....
" lacerated	40	.....
" punctured	6	.....
Ulcers, chronic	2	.....
Valvular disease of heart	1	.....
Intestinal worms	14	.....
OPERATIONS.		
Radical cure of hernia	1	.....
Amputation of fingers	8	.....
Removal of piles	2	.....
Operation on fistula in ano	2	.....
	13	15

SEVENTEENTH ANNUAL REPORT

OF THE

BOARD OF TRUSTEES AND OFFICERS

OF THE

NORTHERN OHIO LUNATIC ASYLUM,

TO THE

GOVERNOR OF THE STATE OF OHIO,

FOR THE YEAR 1871.

37—Ex. Doc. Pt. I.

BOARD OF TRUSTEES.

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STEWARD,
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REPORT OF TRUSTEES.

To His Excellency R. B. HAYES, Governor of Ohio :

SIR: The undersigned, Trustees of the Northern Ohio Lunatic Asylum, respectfully submit the Seventeenth Annual Report of this Institution, and with it the reports of the Superintendent and Steward, for the year just closed.

The last mentioned documents are very complete, and it is not necessary that we should recapitulate their statements at length, but it may be proper to refer to them briefly.

It will be noted, that the total number of patients treated in the Asylum during the year, was five hundred and two (502), and that the total daily average has been a fraction over three hundred and thirty-four ($334\frac{2}{3}$). Referring to the Steward's financial statement, it will be observed that the total sum of expenditures for "provisions, necessary current expenses and repairs," during the same period, was \$64,965.34, being about \$194.31 *per capita*. We think this result, especially in view of the fact that many important items of living have maintained higher prices during the last year than during the year preceding, may be assumed as pretty conclusive evidence, that the rigid rules of economy adopted in the management of this Asylum, have been enforced by the officers having the immediate administration of its daily affairs. We may properly add in this connection, that we have confidence that while everything has been conducted with due regard to a true economy, it has not been at the expense of the comfort and happiness of the patients.

The season for active operations upon the new additions opened in March, and near the close of that month they were resumed. From that time to the present, with very little interruption, the work has been pushed steadily forward, and we have now the pleasure of reporting the completion of the west wing; and there is reason for believing that the east wing will be finished by the time fixed in the contract, to wit: January 1st, 1872.

The work of putting in the heating apparatus for the new additions, was undertaken some time since, and is now progressing in the west wing, and will, if means are furnished, be extended to the east wing, so soon as the state of the work upon it will permit. The heating apparatus for the new additions is substantially the same as that in use in the older

buildings; that is to say, it is an extension of the old system of heating to the additions, and has proved a much heavier and more expensive work than we anticipated. It involved the purchase of three large tubular boilers, changes in the old boilers, removing and resetting in the new boiler-house, and the substitution of new and much larger steam pipes for the old and smaller ones. The cast iron radiators in use in heating the old buildings, have not been satisfactory in some particulars; and it was deemed important, inasmuch as the wards to be warmed are situated several hundreds of feet from the boilers, that the best radiators should be procured, and that they should be so boxed and placed as to secure the highest efficiency. One of our number visited the Southern Ohio Lunatic Asylum at Dayton, for the purpose of obtaining the results of experiments tried there with several styles of radiators, and finding the testimony very strong in favor of those furnished by Miles Greenwood & Co., of Cincinnati, we decided to adopt that sort, and made a contract with that firm for a supply. Before deciding upon the number necessary, we obtained the advice of an engineer, experienced in the business of putting up heaters for large establishments, and the result was, a decision to set up a larger number of radiators than we had previously thought necessary. Under the same advice, it was deemed a matter of economy, in order that the heat supplied should be fully utilized, to line the boxes in which the radiators should be placed with zinc, and this is now being done. It was also decided to so place the radiators and their boxes, that the hot air flues of each story should be supplied independently—so that there should be no interference, and no robbing of one by another. It was also thought necessary to nearly double the size of the hot air inlets in the first story, and this was done. We have been thus minute in stating the facts connected with the heating apparatus, that the reasons for its cost may appear. If it has been more expensive than was anticipated, we trust it will be found thoroughly efficient, and that the patients who are to occupy the new additions will never have occasion to complain of an insufficient supply of warm air. The necessity for an additional appropriation to complete the heating arrangements, will be exhibited under its appropriate head.

Only those who have been often at the Asylum during the past year, can appreciate the difficulties of the situation. The pressure for admissions has been so great, that it has been impossible to deplete the wards. On the contrary, the buildings have been overcrowded. Under these circumstances, the confusion attendant upon the work of construction and reconstruction, has been incessant. We can only wonder, that under such unfavorable conditions so much has been done for the restoration and improvement of patients.

The work of rebuilding the kitchen, laundry, etc., has been exceedingly intricate and complicated, and has caused serious inconvenience and annoyance in the daily administration of the matters belonging to these departments; but all appear to have performed well their duties, doubly difficult under such circumstances. As the work approaches completion, order is gradually being restored, and we trust that soon the superior facilities of the new will compensate for the trials and vexations attending the transition from the old.

The contracts for rebuilding kitchen, laundry, engine and boiler house, were awarded early in July, and immediately thereafter the work was commenced by the contractors, Messrs. Nau, Hearst, Graham and Campbell, and it has been prosecuted to the present time. We have reason to expect the completion of these important improvements about the beginning of the new year.

The work of repairing old walls, ceilings, floors and water-closets, was undertaken early in the summer, but has been attended with many inconveniences. The halls and dormitories under repair were crowded with patients, and their presence, under the best arrangements possible, rendered the progress of the work difficult and slow. These circumstances have also rendered the expense of the work much greater than it would have been under more favorable conditions. The appropriation proved to be quite too small for the completion of the whole work, but so far as these repairs have gone they have been very thoroughly done. It is estimated that ten thousand dollars will be required to finish the work, and to put the old wards and main hall in good condition. We hope this appropriation will be made, and would suggest that every consideration makes it desirable to finish these repairs immediately, so that the patients may be moved to the new additions while the work is in progress. This could be done, if the work were authorized soon. It should be borne in mind that no such opportunity will ever occur again.

The barn has been enlarged and greatly improved.

Considerable progress has been made in providing furniture for the new additions. A supply of woolen blankets was secured, through Messrs. Morgan, Root & Co., of Cleveland, early in the summer, and at the price which prevailed before the advance in woollens, which occurred soon after. Tickings, sheetings, crash and counterpanes were purchased through the same jobbing house, at very low rates. Hair for mattresses was purchased of the large dealers in New York, and the labor of picking the hair and of making the ticks for mattresses was performed mainly by patients, under the direction and with the help of an experienced mattress maker; and thus, pursuing the same course as on a former occasion, we

have fortunately secured a supply of excellent mattresses and pillows, at a much lower cost than they could have been purchased in market. Messrs. Vincent, Sturm & Co., of Cleveland, have made a supply of bedsteads, tables, stands, bureaus, chairs, etc., and nearly all of these articles are now ready for use.

As the work of enlarging, improving and reconstructing the buildings of this charity has progressed, a small amount of work not provided for in the specifications, and therefore not included in any contract, has been necessary. We have also found the several appropriations, in spite of our best endeavors, not quite sufficient for the purposes for which they were made, and we are therefore compelled to ask an additional sum with which to supply the deficiencies. The following statements will give, under suitable heads, the condition of each fund, and the sum required in each case to supply the deficiency :

I.—NEW ADDITIONS.	
Appropriations for constructing new additions	\$150,000 00
Amount of contracts for building same	134,323 64
Balance of appropriations	<u>\$15,676 36</u>
Of this balance we have expended as follows—	
Advertising and printing	\$160 00
Architect and Superintendent's salary	3,550 00
Door trimmings	380 14
Tin hot-air flue linings.....	669 45
Hoists	202 99
Mason work not included in contract	843 78
Scouring and oiling stone floors in water-closets, etc.....	187 85
Registers.....	2,047 66
Sewer connections, cast-iron	155 75
Water and gas pipes, fittings and labor	1,673 71
Grading and sewers	<u>2,560 93</u>
Total	<u>12,432 26</u>
Balance of appropriation unexpended	<u>\$3,244 10</u>
Required to complete additions and prepare them for occupancy—	
Concreting and preparing basement for railroad.....	\$1,000 00
Iron for railroad for conveying food (purchased)	400 00
Laying railroad in basement	200 00
Dead lifts, completed	400 00
Gas fixtures (purchased)	900 00
Clothes rooms, finishing compartment for each patient	1,200 00
Architect and Superintendent's fees to January 1, 1872....	600 00
Due Brooks and Blair for work not included in contract...	<u>1,870 00</u>
	6,570 00
Deduct amount unexpended	<u>3,244 10</u>
Deficiency	<u><u>\$3,325 90</u></u>

II.—HEATING APPARATUS.

Appropriation for heating apparatus for additions \$10,000 00

Of this appropriation we have expended as follows—

Three boilers, and alterations in old boilers	\$2,799 67
Castings	242 95
Fire fronts and grate bars	835 55
Fire-bricks used in setting boilers	256 10
Steam pipe and fittings	2,001 23
Smoke pipe	340 49
Labor, steam fitting	820 00
Steam pump	450 00
Zinc for lining radiator boxes	310 88
Lumber, for radiator boxes	340 38
Labor, carpenter	187 12
Freight	191 49

Total \$8,775 86

Balance unexpended..... \$1,224 14

Necessary to be expended to complete heating apparatus—

Brick (purchased)	\$116 14
Iron “	200 00
Steam traps (purchased)	500 00
Radiators (contracted for)—about	5,000 00
Boxing radiators	1,000 00
Putting up radiators	500 00
Fittings for “	500 00
Bill for material and setting boilers	740 00
“ “ making hot water cistern	65 00

\$8,621 14.

Deduct amount unexpended..... 1,224 14

Deficiency..... \$7,397 00

III.—FURNISHING NEW ADDITIONS.

Appropriation for furnishing new additions..... \$16,000 00

Of this sum there has been expended as follows—

Dry goods	\$6,652 52
Materials for mattresses and pillows, and making same....	2,153 78
Lounges	111 60
Dumb waiters, lumber	550 51
Sinks, bowls, hoppers and valves	362 78
Tin-ware	320 55
Hydraulic washing machines	630 00

\$10,781 74

Balance unexpended..... \$5,218 26

Furniture to be provided and paid for—some part of which has been contracted for and made—

Dumb waiters.....	\$720 00
" putting up.....	800 00
Bath tubs and furniture for bath rooms.....	1,200 00
Tin-ware, balance.....	200 00
Bedsteads, tables, bureaus, stands, chairs, etc.....	3,300 00
Lounges, balance.....	200 00
Carpets.....	500 00
Crockery.....	400 00
Cutlery and castors.....	400 00
Carving tables.....	500 00
Clocks.....	150 00
<hr/>	
Total.....	\$3,370 00
Deduct unexpended balance.....	5,218 26
<hr/>	
Deficiency.....	\$3,151 74
<hr/>	

RECAPITULATION of DEFICIENCIES.

Amount required to complete building new additions.....	\$3,325 90
" " heating apparatus.....	7,197 00
" " furnishing.....	3,151 74
<hr/>	
Total.....	\$13,674 64
<hr/>	

As already stated, the new additions will soon be completed, and so soon afterwards as the heating apparatus can be finished, and the furnishing accomplished, this charity, in these respects, will be prepared to receive a large addition to its numbers. Applications for admittance are made and refused every day. In its present over-crowded state, it is quite impossible to admit more patients. The finishing of this work will afford much relief, and we earnestly hope that the General Assembly will make the necessary appropriations, early in the coming session, and thus enable us to speedily open these doors to those who are waiting to enter.

But in order to the full enjoyment of the increased room for patients, to be afforded by the new additions, it is indispensable that the rebuilding of the kitchen, laundry, etc., should be promptly completed, and that suitable furniture for them should be provided.

The appropriation for rebuilding kitchen, laundry, engine and boiler house, passed May 2d, 1871—

Was.....	\$28,000 00
The sum of the contracts for same.....	26,645 77
<hr/>	
Balance of appropriation.....	\$1,354 23

Of this balance we have expended as follows—

Advertising and printing.....	\$66 19
Stone floors, not in contract.....	379 00
Sewerage	106 50
Building ovens.....	511 61
	<hr/>
	\$1,063 30

Balance unexpended.....	\$290 93
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There remain to be paid for as follows—

Architect's and Superintendent's fees.....	\$1,000 00
Roof over boilers, not included in contract.....	500 00
Floor in carpenter shop, not included in contract.....	150 00
Door trimmings, " "	100 00
Dumb waiters, " "	300 00
Stone floors, " "	800 00
Bridge through boiler house, not included in contract.....	75 00
Iron columns, not included in contract.....	62 00
Due for mason work, not in contract.....	750 00
	<hr/>
	\$3,737 00

Deduct unexpended balance.....	290 93
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Deficiency	\$3,446 07
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No appropriation was made for furnishing kitchen, laundry, etc. This was an unfortunate omission, and we are obliged to ask that it be supplied at an early day. The range, steam kettles, and other furniture of the old kitchen, laundry, etc., are totally unfit for the new, being, some of it, quite too small, and nearly all worn out. We have taken some preliminary steps in this matter, and, on investigation, we are of opinion that four thousand five hundred dollars will be required to pay for suitable range, steam kettles and other utensils, and for what plumbing and gas fitting will be required.

When the new additions, and the kitchen, laundry, etc., shall have been finished, and all fully furnished, this Asylum will have a capacity of five hundred, without over-crowding, and if crowded as closely as during the last two years, of five hundred and fifty. But much will remain to be done in the way of repairing, improving and adorning. We have spoken of the necessity of immediately completing the improvements in old wards and water closets. The main hall in the administration building should be included in this work. It is now dingy and gloomy; but a few hundred dollars, judiciously expended, would make it agreeable and pleasant.

For several years the roofs of the main original buildings of this Asylum have been in a bad condition. They have been patched and painted, but we think the time has come when they should be replaced by new ones of slate. In connection with this work the main and cross walls should be

raised so as to render the building fire proof. We suggest the expediency of an appropriation of fifteen thousand dollars for new roofs and necessary work connected with them.

The third story of the new building, in the rear of the central building, may be finished for an amusement hall—a hall much needed. It is estimated that two thousand dollars would accomplish this work, and we respectfully suggest the propriety of the appropriation.

The basements of the new additions should be concreted, and put in good condition, both as an economical and a sanitary measure. This work will require three thousand dollars.

For the purpose of protecting the foundations of the new additions, two thousand five hundred dollars should be expended in grading and sewage.

A new bridge near the pump house is much needed, and should be built for durability, and therefore should be of stone. This work will require three thousand dollars for its accomplishment.

An arrangement has been made with the Cleveland Gas Light and Coke Company for a permanent supply of coal gas. The company has extended its mains to the front of our grounds, and it is necessary to pay for laying a pipe from the entrance gate to the building. One thousand dollars will be required for this purpose.

The remarks of Dr. Lewis in regard to the need of better fences on the farm, are correct, and one thousand five hundred dollars should be devoted to this purpose.

Very little has heretofore been done in the way of adorning the grounds near the buildings, with flowers and ornamental plants. We think the time has come when some effort should be made to render the out-look of our patients pleasant and cheerful. In our opinion, one thousand dollars ought to be expended in horticulture during the year upon which we have entered.

We have considered the probability of a large increase of patients soon, and suggest the following as proper to be appropriated, to wit:

For provisions, current expenses and repairs.....	\$100,000 00
" Officers' salaries.....	3,800 00
" Moral Instructor	200 00
" books and pictures in old and new buildings.....	500 00

Respectfully submitted,

W. H. PRICE,
ALEXANDER STEELE,
JOHN HUTCHINS,

S. H. PITKIN,
C. B. LOCKWOOD,
M. R. WAITE.

SUPERINTENDENT'S REPORT.

To the Board of Trustees :

GENTLEMEN: The expiration of another Asylum year brings with it the duty of presenting for your consideration a summary of the events which have transpired since it opened, and of making some suggestions in reference to the future.

The overcrowded condition of the Asylum the past year, and the unsettled condition of the several departments, occasioned by the work on the new buildings, and repairing the old, have added much to the cares of the officers and attendants, and to the discomfort of the patients. It will be noticed, that the percentage of recoveries has been a little less this year than usual; but this resulted from the law, in force during the first six months of the year, which prohibited the discharge of the chronic insane, and denied the Superintendent any authority to discriminate between recent and chronic cases in the admission of patients; and taking this into the account, we think the success attained is equal to that of any previous year.

Since its establishment, much has been done to ameliorate the condition of those committed to the care of this charity; and the tables attached to this report will show that a fair percentage of those admitted have recovered. These statistical tables have been made up with care, and are as full and accurate as the material at my command would admit. They comprise all the cases admitted since the opening of the Institution.

At the date of the last report there were 330 patients in the house: of these 162 were males and 168 were females. Since the date of my last report there have been admitted 172; of these 83 were males and 89 were females.

The whole number discharged was 183; of these 82 were males and 101 were females.

The whole number discharged as recovered was 82; of these 39 were males and 43 were females.

The whole number discharged improved was 64; of these 26 were males and 38 were females.

The whole number discharged as unimproved was 16; of these 7 were males and 9 were females.

The whole number who died was 19; of these 8 were males and 11 were females.

The whole number under treatment during the year was 502; of these 245 were males and 257 were females.

Daily average of males during the year $170\frac{22}{31}$; daily average of females during the year $163\frac{57}{31}$.

Total daily average of males and females was $334\frac{24}{31}$.

Of the patients who recovered during the year, 5 were under treatment not exceeding 3 months; 34 between 3 and 6 months; 24 between 6 months and 1 year; 13 between 1 and 2 years; 6 more than 2 years.

Of those discharged improved, 5 were under treatment less than 3 months; 5 between 3 and 6 months; 12 between 6 months and 1 year; 11 between 1 and 2 years; 18 between 2 and 3 years; 4 between 3 and 4 years; 4 between 4 and 5 years; 4 between 5 and 6 years.

Of those discharged as unimproved, 2 were under treatment less than 6 months; 2 between 6 months and one year; 1 between 1 and 2 years; 7 between 2 and 3 years; 2 between 3 and 4 years; 1 between 4 and 5 years; 1 between 5 and 6 years.

Of those who died, 4 were under treatment less than 3 months; 7 between 3 and 6 months, 2 between 6 months and one year; 2 between 1 and 2 years; 4 between 3 and 4 years.

Percentage of recoveries of male patients admitted during the year, 24.33. Percentage of all male patients treated during the year, 15.92.

Percentage of recoveries of female patients admitted during the year, 26.94. Percentage of recoveries of all female patients treated during the year, 16.73.

Total percentage of recoveries of all patients admitted during the year, 36.63.

Total percentage of recoveries of all patients treated during the year, 16.34.

Percentage of deaths of male patients admitted during the year, 6.02; of all male patients treated during the year, 3.2.

Percentage of deaths of female patients admitted during the year, 8.99; of all female patients treated during the year, 4.28.

Total percentage of deaths of all admitted, 7.56. Total percentage of deaths of all treated, 3.78.

REPAIRS AND IMPROVEMENTS.

Under this general head, much has been done during the year to provide for the approaching increase of patients and employes, and in putting some of the old wards in thorough repair.

I spoke in my last annual report of the advantage of pleasant apart-

ments for convalescent patients, with home-like surroundings, and one was fitted up for females in accordance with your directions. Its influence was salutary. A similar improvement has been commenced in the department for males, and should be carried forward to completion during the coming year.

PUMP HOUSE.

The increase in the capacity of the institution calls for increased facilities for furnishing an adequate supply of water, and in accordance with your directions, the boiler house at the creek has been enlarged and supplied with an excellent steam pump, and one of the boilers thrown out of use by the purchase of larger ones for the heating department, has been transferred to it. The apparatus for supplying the Institution with water is now thought to be adequate, and will require only a small outlay to keep it in repair.

HYDRANTS.

Six hydrants, which are connected by means of cast iron pipe to the pump at the creek, have been placed at such points in front and rear of the buildings, as to enable us, by means of hose, to throw water on any part of them; and to further increase our protection against fire, connections have been made upon each floor of the several wards, for the attachment of hose.

GAS LAMPS.

Two gas lamps have been placed in front of the central building, and so situated as to light the drive-ways and foot-path.

BARN.

The one thousand dollars directed to be applied to improving and enlarging the barn by the appropriation bill of last winter, has been judiciously expended for that purpose; and to finish the improvements to adapt it to the increasing wants of the institution required about \$400 in addition, which has been paid from the current expense fund, by your direction.

REPAIRING OLD WARDS.

The appropriation of three thousand dollars, (\$3,000) made last winter, for this purpose, is by no means sufficient to complete the work which has been commenced. It will require, to put these wards in a thorough state of repair, at least the further sum of ten thousand dollars (10,000). I respectfully suggest the necessity of urging upon the Legislature an immediate appropriation for completing this improvement, before the new wings shall be filled with patients.

GARDEN.

The garden has been enlarged, during the past year, and all surrounded by a new, tasteful and substantial picket fence. The fences on the new purchase are in a dilapidated condition, affording but little protection to our crops; and especially is this true of the fence on the front line, running parallel with and near to the railroad. Good taste would suggest that the same style of fence be adopted as that on the front of the original purchase. This much needed change, would serve as a protection to our crops on this part of the farm.

The large brick building designed for kitchen, laundry and engine house, which is being built in the rear, and near to the administration building, approaches completion, and will, when finished, add much to the convenience of these departments.

In consequence of the increased capacity of the institution, and the many changes which have been made in different departments, much work was required to adjust the old heating apparatus to the new, and much more remains to be done in this department, to secure perfect economy. It should be remembered in this connection, that no provision has as yet been made for the heating, lighting and plumbing of these rear buildings. Much credit is due to Mr. F. K. Reed, our machinist, for his care and attention to the work in this department.

Your attention has, in several previous reports, been called to the extremely bad condition of the roof over the old buildings; and as the work of replacing this can be deferred but for a short time, and because of the unsettled condition in which the buildings and grounds will be, for the most part of the next year. I would respectfully call attention to the propriety of urging upon the Legislature the necessity of an appropriation for a slate roof and iron cornices for the old buildings, to correspond with the new.

I have heretofore called attention to the desirableness of having a hospital detached from the Asylum buildings, where, in cases of serious sickness, especially of a contagious nature, patients could receive special care without injury to others. Thus situated, they can be visited by friends, without interfering with the ordinary operations of the Asylum.

FARM AND GARDEN.

The amount of vegetables raised is much in excess of any previous year. Much credit is due the gardener, Mr. John O'Brian, for his skill and energy in managing the work in this department. The following

table shows some of the results of labor performed on the farm and in the garden :

Asparagus	8 bush.	Mangel wurzels	328 bush.
Beets	125 "	Melons	62 "
Cabbage	7,000 heads.	Onions	125 "
Currants	8 bush.	Paranips	125 "
Cauliflower	600 heads.	Potatoes	1,225 "
Celery	600 "	" sweet	51 "
Citrons	60 bush.	Pumpkins	300 "
Corn, sweet	325 "	Peas	24 "
Cucumbers	332 "	Pie-plant	368 "
Carrots	52 "	Radishes	35 "
Beans, string	85 "	Raspberries	8 "
" lima	30 "	Spinage	20 "
" white	21 "	Squashes	520 "
Grapes	37 "	Strawberries	15 "
Gooseberries	12 "	Tomatoes	589 "
Lettuce	325 "	Turnips	375 "

The gardener has been assisted by the voluntary labor of the patients, which has furnished healthful exercise, and it is believed has contributed to the restoration of some.

Many of the female patients have been beneficially employed in the wards, kitchen, laundry, sewing and distributing rooms.

The matron furnishes the following list of articles made during the year, much of the work having been done by the patients :

Articles.	No.	Articles.	No.
Aprons	64	Pillow-cases	400
Bed-ticks	2	Sheets	786
Belts	74	Shirts	132
Bolster cases	---	Skirts	34
Chemises	116	Sacks	---
Carpets	6	Suspenders, pairs	29
Counterpanes	152	Skirts, fine	---
Coats	56	Night dresses	24
Collars	19	Table cloths	6
Drawers	73	Towels, hand	645
Dresses	196	" roller	231
Handkerchiefs	38	Pants	70
Mattresses	---	Quilts	336
Mattress ticks	283	Undershirts	36
Napkins	36	Vests	58
Overalls	10	Window curtains	33
Pillows	253		

AMUSEMENTS.

The holidays have been appropriately observed by our patients. On Thanksgiving Day we were honored by a call from his Excellency Gov. R. B. Hayes, and Joseph Perkins, Esq., member of the B. S. C., which was much enjoyed by the patients. New Years and Fourth of July were also appropriately observed.

The ordinary evening entertainments have consisted of lectures, dances, dramatic performances, shows, concerts, exhibitions of dissolving views,

etc. The experience of the past few years confirms my conviction of the importance of amusements as a means of curing the insane. I think the money invested in a bowling alley, one or two billiard tables, and for other means of amusement, would prove a judicious expenditure, increasing the number of recoveries, as well as affording pleasant pastime to many others, where disease has become chronic.

ACKNOWLEDGMENTS.

Our thanks are due the many friends of the Institution who, during the past year, have contributed to the comfort and entertainment of our patients. We desire to express our special obligations to Mrs. J. S. Pierson, New York, for colored lithographs; to B. F. Morse, for two large steel engravings; to Prof. Jones and associates, for two fine concerts; to the C. C. & C. R. R. Co., for a free pass over their road to and from Cincinnati; to the C. & P. R. R. Co., for a free pass over their road to and from Pittsburgh; to the Cuyahoga County Agricultural Society, for the free admission of patients to the County Fair; and to the following named gentlemen for highly interesting lectures, viz: Prof. B. A. Hinsdale, of Hiram, Ohio; Rev. Mr. Noble, Rev. E. B. Raffensperger, Rev. Dr. Strong, Rev. Dr. Wolcott, of Cleveland; Rev. Mr. Twitchell, of East Cleveland; and to Rev. J. M. Atwater, of Syracuse, N. Y.

The publishers of the following named papers and periodicals have again placed us under obligations for gratuitous copies:

Ladies' Repository.....	Cincinnati, Ohio.
Norwalk Reflector.....	Norwalk, "
Perrysburgh Journal.....	Perrysburgh, "
Painesville Advertiser	Painesville, "
Christian Herald.....	Cincinnati, "
Christian Standard.....	" "
Christian Adyance.....	" "
Evangelical Messenger.....	Cleveland, "
Evangelist.....	" "
Fremont Journal	Fremont, "
Salem Journal.....	Salem, "
Salem Republican	" "
Geneva Times.....	Geneva, "
Columbus Statesman	Columbus, "
Tiffin Tribune.....	Tiffin, "
Ohio State Journal	Columbus, "
Western Reserve Chronicle	Warren, "
Cleveland Herald—daily and weekly.....	Cleveland "
" Leader " "	" "
" Pain Dealer—daily and weekly.....	" "
Wadsworth Enterprise.....	Wadsworth, "
New Lisbon Journal.....	New Lisbon, "

APPROPRIATIONS.

I would respectfully suggest that the following appropriations be asked for to meet the expenses of the institution the coming year :

For current expenses and repairs.....	\$100,000 00
" Officers' Salaries.....	3,800 00
" Moral Instructor.....	200 00
" books and pictures.....	500 00

The officers of the institution are the same as at the date of my last report. Dr. S. H. Steward continues to perform the duties of assistant in the department for females, and Dr. J. F. Hobson those in the department for males. J. C. Sheets continues to perform the duties of Steward, and Mrs. N. C. Lewis those of Matron; and it is due all those that acknowledge their fidelity in the discharge of their duties. And those in immediate attendance on the patients are not to be forgotten in the discharge of their difficult and trying duties.

The religious services held in the chapel on Sunday afternoons, and Friday evenings, have been conducted by the Rev. E. Curtis, of Newburgh, Ohio, in a zealous and faithful manner. We have every reason to believe that our patients are not only comforted, but improved, by the exposition of Divine truth, when it is laid before their minds in a quiet and cheerful manner.

To you, gentlemen, as Trustees of this Asylum, I wish to express my grateful acknowledgments, for your continued kindness to myself and family, and for your judicious and timely counsels in behalf of this noble charity, for the time being committed to your care.

J. M. LEWIS, *Superintendent.*

NEWBURGH, OHIO, November 15, 1871.

TABLE 1.—*Of Admissions.*

	Male.	Female.	Total.
Patients in the Asylum Nov. 16, 1870	162	168	330
Admitted during the year	83	89	172
Discharged during the year	82	101	183
Under treatment during the year	245	257	502
Remaining in the Asylum Nov. 15, 1871	163	156	319
Daily average during the year	170 ²²⁸ ₃₃₇	163 ²⁵⁷ ₃₈₃	334 ²⁴ ₇₃

TABLE 2.—*Of Discharges.*

	Male.	Female.	Total.
Recovered	39	43	82
Improved	26	38	64
Unimproved	7	9	16
Died	8	11	19
Eloped	2	.....	2
Total	82	101	183

TABLE 3.—*Admissions and Discharges from the opening of the Institution.*

	Male.	Female.	Total.
Admitted	1,146	1,262	2,408
Discharged recovered	538	588	1,126
“ improved	131	171	302
“ unimproved	224	255	479
“ died	83	91	174

TABLE 4.—*Showing the Ages of those Admitted.*

	Within the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Less than 15 years of age.....	-----	1	1	7	9	16
Between 15 and 20 years of age....	5	3	8	82	74	156
" 20 " 25 "	15	14	29	186	173	354
" 25 " 30 "	12	12	24	155	184	339
" 30 " 35 "	15	12	27	140	186	326
" 35 " 40 "	7	5	12	137	144	281
" 40 " 45 "	9	17	26	117	146	263
" 45 " 50 "	5	7	12	82	95	177
" 50 " 55 "	5	5	10	83	96	179
" 55 " 60 "	4	5	9	63	73	136
" 60 " 65 "	2	5	7	40	41	81
" 65 " 70 "	1	2	3	20	18	38
" 70 " 75 "	2	-----	2	11	7	18
" 75 " 80 "	1	-----	1	6	2	8
" 80 " 85 "	-----	-----	-----	2	1	3
" 85 " 90 "	-----	-----	-----	1	-----	1
Unknown	-----	1	1	19	13	32
Total	83	89	172	1,146	1,262	2,408

TABLE 5.—*Showing the number of Attacks.*

	Within the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
First attack	49	54	103	796	900	1,696
Second attack	25	18	43	210	220	430
Third "	7	12	19	70	61	131
Fourth "	2	2	4	31	29	60
Fifth "	-----	-----	-----	10	23	33
Sixth "	-----	1	1	2	6	8
Seventh "	-----	1	1	3	4	7
Eighth "	-----	-----	-----	1	5	6
Ninth "	-----	1	1	-----	4	4
Tenth "	-----	-----	-----	-----	1	1
Eleventh "	-----	-----	-----	-----	1	1
Unknown	-----	-----	-----	23	8	31
Total	83	89	172	1,146	1,262	2,408

TABLE 6.—*Showing the Civil Condition of those Admitted.*

	Within the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Married	42	54	96	575	862	1437
Single	38	26	64	555	364	919
Widowed	2	9	11	10	35	45
Unknown	1	.....	1	6	1	7
Total	83	89	172	1146	1262	2408

TABLE 7.—*Showing the Duration of Insanity in those Admitted.*

	Within the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Less than 1 month	16	10	26	215	217	432
Between 1 and 3 months	17	24	41	277	310	587
“ 3 “ 6 “	12	17	29	175	212	387
“ 6 “ 9 “	17	14	31	107	133	240
“ 9 “ 12 “	2	4	6	35	43	78
“ 12 “ 18 “	7	9	16	91	95	186
“ 18 “ 24 “	2	4	6	39	63	102
“ 24 “ 30 “	1	3	4	53	47	100
“ 30 “ 36 “ .....	.....	.....	.....	4	4	8
“ 36 “ 42 “ .....	.....	1	1	27	33	60
“ 42 “ 48 “ .....	.....	.....	.....	1	2	3
“ 4 “ 5 years .....	.....	1	1	10	13	23
“ 5 “ 6 “ .....	.....	.....	.....	6	13	19
“ 6 “ 7 “ .....	.....	2	2	4	13	17
“ 7 “ 8 “ .....	.....	.....	.....	4	6	10
“ 8 “ 10 “ .....	.....	.....	.....	3	7	10
“ 10 “ 12 “ .....	.....	.....	.....	4	6	10
“ 12 “ 14 “	1	.....	1	4	2	6
“ 14 “ 16 “ .....	.....	.....	.....	1	1	2
“ 16 “ 18 “ .....	.....	.....	.....	1	1	2
“ 18 “ 20 “ .....	.....	.....	.....	.....	1	1
More than 20 years .....	.....	.....	.....	2	2	4
Unknown	8	.....	8	83	38	121
Total	83	89	172	1146	1262	2408

TABLE 8.—*Showing the Nativity of those Admitted.*

	Within the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Connecticut	2	3	5	44	50	94
Delaware					1	1
Illinois					1	1
Indiana					2	2
Iowa					1	1
Maine		1	1	2	6	8
Maryland				5	5	10
Massachusetts	2	4	6	31	43	74
Michigan				2	2	4
New Hampshire				5	6	11
North Carolina					2	2
New Jersey		1	1	6	6	12
New York	7	3	10	114	137	251
Ohio	38	41	79	452	474	926
Pennsylvania	4	8	12	85	75	160
Rhode Island					3	3
Vermont	2		2	12	17	29
Virginia				9	6	15
Wisconsin					1	1
FOREIGN COUNTRIES.						
Bohemia				7	1	8
Bavaria				2		2
Belgium				1		1
Canada	1	3	4	7	13	20
England	6	2	8	44	55	99
France				6	3	9
Germany	14	8	22	148	133	281
Holland				1	3	4
Ireland	4	9	13	72	134	206
Isle of Man					2	2
Nova Scotia					1	1
Prussia		1	1		4	4
Scotland		1	1	6	4	10
Switzerland		2	2	1	11	12
Wales	2		2	7	4	11
Unknown	1	2	3	77	56	133
Totals	83	89	172	1146	1262	2408

TABLE 9.—*Showing the Occupations of Males Admitted.*

Occupation.	During the year.	From the beginning.	Total.	Occupation.	During the year.	From the beginning.	Total.
Artists .....	...	2	2	Lawyers	1	12	13
Blacksmiths	16	16	16	Merchants	4	20	24
Butchers	3	3	3	Millers	1	2	3
Bakers	4	4	4	Moulders .....	...	3	3
Brewers	1	1	2	Marble Cutters	1	1	2
Book Agents	1	1	2	Manufacturers	1	1	2
Book Binders .....	...	2	2	Machinists .....	...	7	7
Book Keepers .....	...	7	7	Musicians .....	...	3	3
Boat Captains .....	...	2	2	Miners	3	7	10
Boatmen	3	3	3	Masons	2	10	12
Basket Maker	1	1	1	Mechanics .....	...	8	8
Boiler Makers .....	...	2	2	Nailer .....	...	1	1
Barber .....	...	1	1	Omnibus Agent .....	...	1	1
Carpenters	2	43	45	Physicians	2	11	13
Clerks	3	10	13	Printers	1	8	9
Clergymen .....	...	11	11	Plasterer .....	...	1	1
Cabinet Makers	2	5	7	Painters	1	10	11
Carriage Makers .....	...	4	4	Potters .....	...	3	3
Coopers .....	...	4	4	Peddlers .....	...	5	5
Colliers .....	...	...	...	Porter .....	...	1	1
Confectioner .....	...	1	1	Phrenologist .....	...	1	1
Coppersmith	1	1	1	Photographers	1	3	4
Dentist .....	...	1	1	R. R. Conductor .....	...	1	1
Drayman .....	...	1	1	Shoemakers .....	...	19	19
Druggists .....	...	9	9	Students	3	13	16
Draughtsman .....	...	1	1	Saddlers	1	1	2
Engraver	1	...	1	Stone Cutters .....	...	5	5
Engineers	1	3	4	Saloon Keepers	1	6	7
Editor	1	...	1	Spinner .....	...	1	1
Farmers	30	483	513	Sailors	1	3	4
Fireman .....	...	1	1	Ship Carpenters .....	...	3	3
Gardeners .....	...	2	2	Soldiers .....	...	7	7
Grocers .....	...	4	4	Speculator .....	...	1	1
Glass Blower .....	...	1	1	Teachers .....	...	17	17
Grape Growers .....	...	2	2	Tailors .....	...	14	14
Hotel Keepers .....	...	6	6	Teamsters .....	...	3	3
Hatter .....	...	1	1	Telegraphers .....	...	3	3
Harness Maker .....	...	1	1	Unknown	8	77	85
Hack-drivers .....	...	2	2	Weavers .....	...	2	2
Insurance Agent .....	...	1	1	Wagon Makers .....	...	4	4
Jewelers	1	5	6				
Laborers	8	116	124	Total	83	1063	1146

TABLE 10.—*Showing the form of Insanity of those Admitted.*

Form.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Dementia				37	35	72
Dementia, acute		1	1	2	6	8
" chronic				1	1	2
" senile				2	3	5
Imbecility				1	1	2
Kleptomania					1	1
Mania, acute	57	51	108	652	675	1327
" chronic	1		1	59	112	171
" hysteric					1	1
Melancholia	23	37	60	283	351	634
Monomania	2		2	38	27	65
Not stated				66	48	114
*Not insane				5	1	6
Total	83	89	172	1146	1262	2408

* Inebriates.

TABLE 11.—*Showing the alleged cause of Insanity of those Admitted.*

Physical Causes.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Apoplexia	1		1	2	1	3
Asthma	1		1	1		1
Ague	1		1	1	1	2
Constipation				1	2	3
Climacteric		5	5		44	44
Chorea					1	1
Dyspepsia	1		1	4	2	6
Disease of prostate gland				1		1
Dysmenorrhea		1	1		2	2
Dissipation	1		1	2	1	3
Excessive physical exertion	2	1	3	22	9	31
Exposure				19	1	13
Epilepsy				8	5	13
Erysipelas					1	1
Fever	1		1	12	20	32
Fever, intermittent	2		2	11	1	12
" remittent				11		11
" typhoid				6	5	11
Gout				1		1
Gestation					15	15
Hydrocephalus				1		1
Hepatitis				5		5
Injury to head	1	1	2	24	9	33
Ill health	2	8	10	94	162	256
Intemperance	7		7	105	9	114
Ill treatment				1	11	12
Jaundice				1		1
Loss of sleep				2	1	3
Lactation, excessive					10	10

TABLE 11.—Continued.

Physical Causes.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Masturbation	8	2	10	143	2	145
Malpractice				1		1
Menstrual irregularities		8	8		82	82
Measles					1	1
Nephritis				2	1	3
Neuralgia					2	2
Opium, excessive use of				3	4	7
Old age	1		1	2	3	5
Otitis				1	1	2
Poverty				3	3	6
Phthisis pulmonalis				1	2	3
Paralysis				6	1	7
Phrenitis	2		2	7	3	10
Puerperal		7	7		104	104
Pneumonia		1	1		3	3
Pericarditis		1	1		2	2
Rheumatism				3	3	6
Spinal affection	1		1	8	4	12
Sunstroke		1	1	9	3	12
Sexual excesses				3		3
Sedentary habits				1		1
Syphilis		1	1	2	1	3
Suppression of cutaneous eruptions				4		4
Snuff, excessive use of					3	3
Seduction					6	6
Uterine diseases		1	1		82	82
Varioloid				1		1
Unknown	29	31	60	346	357	703
Tobacco, excessive use of				2		2
Total	61	69	130	876	986	1862

TABLE 12.—Showing the Moral Causes of Insanity of those admitted.

Moral Causes.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Anxiety	8	2	10	22	16	38
Domestic troubles	1	5	6	33	95	128
Disappointed affection	1	3	4	22	23	45
Excessive mental exertion	2		2	21	7	28
Fright				9	15	24
Grief at loss of friends	3	4	7	15	39	54
Jealousy		1	1	6	2	8
Joy				1		1
Loss of property	1	1	2	38	7	45
Millerism				1	1	2
Political excitement				3	1	4
Remorse				1	1	2
Spiritualism				13	18	31
War excitement					3	3
Religious excitement	6	4	10	54	44	98
Disappointment				2		2
Seclusion				1	1	2
Business perplexities				28	3	31
Total	22	20	42	270	276	546

TABLE 13.—*Showing the duration of Treatment of those Recovered.*

Duration.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Less than one month.....	2	3	5	24	18	42
Between 1 and 3 months.....	7	6	13	119	120	239
“ 3 “ 6 “.....	11	10	21	158	191	369
“ 6 “ 9 “.....	7	11	18	96	123	219
“ 9 “ 12 “.....	2	3	5	41	54	95
“ 12 “ 18 “.....	7	3	10	56	42	98
“ 18 “ 24 “.....	1	3	4	15	18	33
“ 24 “ 30 “.....	2	2	4	11	6	17
“ 30 “ 36 “.....	.....	1	1	2	3	5
“ 3 “ 4 years.....	.....	1	1	4	2	6
“ 4 “ 5 “.....	.....	.....	.....	2	1	3
Not insane.....	.....	.....	.....	5	1	6
Totals.....	39	43	82	543	589	1132

TABLE 14.—*Showing the duration of Treatment of those Discharged Improved.*

Duration.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Less than 1 month.....	.....	1	1	5	3	8
Between 1 and 3 months.....	2	2	4	8	10	18
“ 3 “ 6 “.....	1	4	5	13	28	41
“ 6 “ 9 “.....	3	5	8	18	29	47
“ 9 “ 12 “.....	2	2	4	11	16	27
“ 12 “ 18 “.....	7	4	11	26	29	55
“ 18 “ 24 “.....	.....	.....	.....	12	9	21
“ 24 “ 30 “.....	3	5	8	12	15	27
“ 30 “ 36 “.....	5	5	10	7	7	14
“ 3 “ 4 years.....	1	3	4	9	12	21
“ 4 “ 5 “.....	1	3	4	5	5	10
“ 5 “ 6 “.....	.....	1	1	.....	2	2
“ 6 “ 8 “.....	.....	3	3	4	5	9
“ 8 “ 10 “.....	1	.....	1	1	1	2
Eloped.....	2	.....	2	2	.....	2
Totals.....	28	38	66	133	171	304

TABLE 15.—*Showing the duration of treatment of those discharged unimproved.*

Duration.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Less than 1 month		1	1	9	10	19
Between 1 and 3 months				16	12	28
" 3 " 6 " 	1		1	21	15	36
" 6 " 9 " 		2	2	8	15	23
" 9 " 12 " 				19	16	35
" 12 " 18 " 	1		1	41	54	95
" 18 " 24 " 				14	33	47
" 24 " 30 " 	1	1	2	32	40	72
" 30 " 36 " 	3	2	5	22	15	37
" 3 " 4 years		1	1	15	19	34
" 4 " 5 " 		1	1	10	15	25
" 5 " 6 " 	1	1	2	11	5	16
" 6 " 8 " 				5	3	8
" 8 " 10 " 				1	2	3
" 10 " 12 " 					1	1
Totals	7	9	16	224	255	479

TABLE 16.—*Showing the duration of treatment of those who died in the Institution.*

Duration.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Less than 1 month	1	3	4	20	28	48
Between 1 and 3 months	1	4	5	13	21	34
" 3 " 6 " 	2	1	3	21	15	36
" 6 " 9 " 				4	6	10
" 9 " 12 " 	2		2	9	6	15
" 12 " 18 " 	1		1	5	5	10
" 18 " 24 " 				1	1	2
" 24 " 30 " 		1	1	4	3	7
" 30 " 36 " 		2	2	2	3	5
" 3 " 4 years	1		1	3	1	4
" 4 " 5 " 				1		1
" 5 " 6 " 					2	2
Totals	8	11	19	83	91	174

TABLE 17.—*Showing the Cause of Death.*

Cause.	During the year.			From the beginning.		
	Male.	Female.	Total.	Male.	Female.	Total.
Apoplexy		2	2	7	3	10
Cutting of throat before admission				1		1
Congestion of brain		2	2		2	2
Cause not given				10	25	35
Diarrhoea	1		1	2	1	3
Dysentery		1	1		3	3
Epilepsy				2	1	3
Erysipelas	1		1	2	1	3
Exhaustion, maniacal, acute	4	2	6	19	23	42
" " chronic				3		3
Fever					1	1
Gastrites					1	1
Gangrene of lung		1	1		1	1
Heart disease					1	1
Marasmus senilis					2	2
Meningitis				1		1
Organic lesion of the brain				1		1
Peritonitis				1	2	3
Pneumonia				1	2	3
Pericarditis				1		1
Phrenitis				2	1	3
Parceis	1		1	6	1	7
Paralysis		1	1		5	5
Purpura hemorrhagica					1	1
Pythisis		1	1	6	6	12
Suicide	1	1	2	3	5	8
Softening of the brain				6		6
Typhoid fever				9	3	12
Total	8	11	19	83	91	174

REPORT OF THE STEWARD.

NORTHERN OHIO LUNATIC ASYLUM,
NEWBURGH, O., Nov. 15, 1871.

Dr. J. M. Lewis, Superintendent :

I herewith submit my report of the receipts and disbursements, from the Appropriations for Current Expenses of this Institution, for the year ending November 15th, 1871, together with a detailed statement of expenditures.

Very respectfully,

JOHN C. SHEETS,
Steward.

Cash balance on hand November 16th, 1870.....	\$971 88
Amount remaining in State Treasury Nov. 16th, 1870, and available for 1st Quarter of 1870.....	21,000 00
Partial appropriation, Jan. 19, 1871, for 1871	10,000 00
Appropriation May 2, 1871, for 1871 and 1st Quarter of 1872.....	55,000 00
	<hr/>
Total amount available for 1871 and 1st Quarter of 1872.....	<u>\$86,971 88</u>
Cash on hand November 16th, 1870.....	\$971 88
Drawn from Auditor of State	64,000 00
	<hr/>
	<u>\$64,971 88</u>
Amount expended, as per following statement.....	\$64,965 34
Cash on hand	6 54
	<hr/>
	<u>\$64,971 88</u>
Remaining in State Treasury and available for 1st Quarter of 1872..	22,000 00
	<hr/>
	<u>\$86,971 88</u>

Detailed Statement of Expenditures.

Articles.	Quantity.	Average cost.	Am't.	Total.
Advertising				\$1 00
Amusements—				
Ten-pins, leather	2 setts.	\$9 00		18 00
Beans	26½ bush.	2 00		52 68
Blacksmithing—				
Horse-shoeing				81 12
Brooms—				
Brush	5 doz.	2 00	\$10 05	
Sweeping	53 doz.	2 70	142 75	
				152 80
Brushes—				
Feather	6	2 25	13 50	
Paint	8	98	7 80	
Shoe	12	42	5 00	
Scrub	9 doz.	2 36	21 25	
				47 55
Butter	15,304 lbs.	28		4,275 13
Carpeting—				
Carpet, brussels	24 yds.	1 75	42 00	
ingrain	55 yds.	1 35	73 45	
three-ply	106 yds.	1 70	180 20	
Oil cloth	20½ yds.	1 00	20 63	
Binding	18 pcs.	25	4 50	
Matting	13 yds.	1 00	13 00	
				333 78
Cheese	1,076 lbs.	15		159 21
Clothing—				
Coats	4	7 87	31 50	
Collars	13	21	2 75	
Drawers	1 doz.		2 14	
Hats, woolen	16	1 07	17 00	
" straw	24	17	4 00	
Pants	6	3 42	20 55	
Shirts	3	2 00	6 00	
Undershirts	1 doz.		2 14	
Vests	4	2 40	9 50	
				95 58
Coal—				
Anthracite	10½ tons.	7 35	77 12	
Bituminous, lump	790 tons.	3 80	3,001 69	
" nut	1,110 tons.	3 17	3,520 55	
Coke	75 bush.	10	7 50	
				6,606 86
Crackers—				
Soda	1,111 lbs.	7	76 27	
Picnic	36	6½	2 29	
				78 56
Crockery—				
Bowls	62	14	8 55	
Basins	8	60	4 80	
Chambers	10 doz.	3 20	32 00	
Creamers	1 doz.		2 75	
Cups	32 doz.	84	26 75	
Ewers	1		65	
Jugs, stone	116	27	31 18	
Plates, butter	6	60	3 60	
" " individual	15 doz.	43	6 50	
" dinner	5 doz.	1 00	5 00	
" pickle	2 doz.	2 50	5 00	

Detailed Statement of Expenditures—Continued.

Articles.	Quantity.	Average cost.	Am't.	Total.
Crockery—Continued.				
Plates, soup	8 doz.	\$1 04	\$8 30	
Pitchers	72	41	29 50	
Saucers	24 doz.	55	13 10	
Spittoons	7 doz.	4 63	32 40	
Vegetable dishes	36	93	33 30	
				\$243 38
Drugs and medicines			1,215 50	
Whisky	128 galls.	2 43	311 25	
				1,526 75
Dry goods—				
Calico	1,125 yds.	11	121 79	
Cotton	1,384 yds.	14	189 40	
Cottonade	332 yds.	20½	68 11	
Crash	1,054 yds.	12	127 26	
Damask	25½ yds.	90	22 95	
Delaine	36 yds.	18	6 62	
Denims	61½ yds.	28	17 22	
Doeskin	41 yds.	42	17 42	
Duck	111 yds.	32	35 52	
Flannel	56 yds.	31	17 64	
Gingham	241 yds.	15	36 23	
Hose	25 doz.	3 11	77 75	
Jeans	300 yds.	48	144 91	
Napkins	3 doz.	5 00	15 00	
Needles	5 m.	2 10	10 45	
Satteens	319 yds.	14	43 62	
Thread, linen	3 lbs.	83	2 50	
“ cotton	118 doz.	80	94 20	
Towels	24	25	6 00	
“ Turkish	2	1 00	2 00	
Ticking	1,320 yds.	26	350 83	
Yarn, cotton	27 lbs.	77	21 76	
“ woolen	10 lbs.	1 10	11 00	
				1,440 27
Eggs	2,116 doz.	22½	.....	476 99
Employees—				
Assistant Engineer			390 10	
“ Matron			158 10	
“ Seamstress			31 00	
Attendants, female	12		1,934 89	
“ male	12		3,864 21	
Baker			480 00	
Carpenter			480 00	
Chambermaids	2		288 10	
Cooks	3		462 96	
Dining room girls	2		305 70	
Distributor			180 00	
Engineer			894 20	
Firemen	2		480 85	
Farmer			300 00	
Gardener			430 00	
Gas maker			339 30	
Hostler			300 00	
Kitchen supervisor			191 45	
Laundress			187 00	
Laundry girls			469 75	
Nightwatch, female			180 00	
“ male			348 00	
Porter			335 53	
Seamstress			216 00	
Supervisor, female			192 00	

Detailed Statement of Expenditures—Continued.

Articles.	Quantity.	Average cost.	Am't.	Total.
Employees—Continued.				
Supervisor—male			\$360 00	
Storekeeper			100 00	
Teamster			360 00	
Temporary employees			125 88	
				\$14,385 04
Fish—				
Cod	600 lbs.	\$ 6½	40 05	
Fresh	5,095 lbs.	9½	481 66	
White—salt	50 hf. brls.	6 75	337 50	
				859 21
Flour	404 brls.	6 58	2,659 47	
Bread	26,218 lbs.	3½	853 39	
Corn meal	3,850 lbs.	1½	56 14	
				3,569 00
Forage—				
Corn	89 bush.	80	70 76	
Hay	15 tons.	16 34	265 16	
Middlings	17 tons.	22 35	380 00	
Oats	1,164 bush.	51	596 76	
				1,312 68
Freight				144 97
Fruit—				
Apples, dried	1,525 lbs.	6½	100 31	
green	384 bush.	76	292 47	
Blackberries	53½ "	2 37	127 06	
Citron	24 lbs.	48	11 52	
Cranberries	4 bush.	4 70	18 80	
Currants, dried	515 lbs.	13	67 08	
Huckleberries	9 bush.	4 00	36 00	
Lemons	3 boxes.	8 85	26 58	
Peaches, dried	1,040 lbs.	13	132 13	
green	35 bush.	2 35	82 25	
Prunes	1,797 lbs.	11	203 23	
Raisins	3 boxes.	3 25	9 75	
Raspberries	4 bush.	3 40	13 25	
				1,120 43
Furniture—				
Book-cases	2	40 00	80 00	
Chairs, arm	3	7 72	23 17	
" dining	78	2 31	180 00	
" sewing	1		7 00	
Step ladders	2	4 00	8 00	
				298 17
Gas—				
Crude oil	124 bbls.	5 13		636 18
Glass-ware—				
Cruets	6 doz.	1 35	8 10	
Fruit jars	24 "	1 29	31 00	
Goblets	2 "	1 80	3 60	
Tumblers	60 "	65	39 00	
Tureens	2 "	1 50	3 00	
				84 70
Groceries—				
Baking powder	175 lbs.	41	71 20	
Bath brick	6 boxes.	1 75	10 50	
Blacking	11 doz.	70	7 75	
Brush holders	2 "	2 40	4 80	
Candles	84 lbs.	16	13 16	
Cassia	40½ "	50	21 38	
Cloves	5 "	25	1 25	

Detailed Statement of Expenditures—Continued.

Articles.	Quantity.	Average cost.	Am't.	Total.
Groceries—Continued.				
Cocoanut	24 lbs.	\$0 35	\$8 40	
Coffee, Java	239 "	38	90 05	
" Rio, ground	2,451 "	23	562 58	
Farina	48 "	14	6 72	
Ginger	25 "	28	7 00	
Hominy	600 "	3½	20 50	
Indigo	10 "	1 55	15 50	
Molasses	225 galls.	69	155 37	
Mop-sticks	2 doz.	2 50	5 00	
Mustard	90 lbs.	40	36 00	
Nutmegs	5 "	1 40	7 00	
Pepper	120 "	28	33 20	
Rice	972 "	9½	93 33	
Salt, dairy	3 bbls.	3 50	10 50	
" fine	30 "	2 06	61 85	
Saleratus	60 lbs.	08	4 80	
Starch, corn	80 "	11	8 80	
" pearl	261 "	6½	16 96	
" silver gloss	180 "	11	19 35	
Sugar, "A"	1,022 "	13½	138 44	
Matches	6 gr.	2 88	17 25	
Sugar, "B"	431 lbs.	12½	54 95	
" "C"	17,617 "	12½	2,160 60	
Syrup	461 galls.	82½	382 88	
Tea—Gunpowder	41 lbs.	1 48	60 55	
" Oolong	618 "	78	480 63	
" Young Hyson	781 "	95	743 80	
Tobacco	405 "	72	293 25	
				\$5,625 30
Hardware—				
Axes	2	1 38	2 75	
Axles	20 lbs.	12½	2 50	
Bells, door	2	1 00	2 00	
Belting	47 ft.	43	20 2½	
Bird-cages	2	2 50	5 00	
Bitts	3	15	45	
Bolts, carriage	268	04	10 45	
Brass checks	100	2½	2 25	
Brace	1		2 25	
Butts	6 doz.	1 61	9 65	
Carpet tacks	46 lbs.	18	8 42	
Carpenter's pencils	1 doz.		63	
Chisels	8	63	5 03	
Chalk lines	2	38	75	
Cleaver	1		2 00	
Coal hods	6	1 31	7 88	
Compasses	1		1 25	
Castors	32 setts.	32	10 20	
Door-knobs	35	28	9 64	
Files	15 doz.	2 06	30 90	
Flue brushes	6	2 28	13 70	
Forks, manure	1		2 50	
" potato	3	1 38	4 13	
Hammers	2	1 00	2 00	
Handles	6	52	1 60	
Hatchets	3	75	2 25	
Hoes	6	53	3 20	
Key blanks	8 doz.	1 57	11 50	
Knife steels	6	35	2 13	
Kettle	1		1 50	
Knives, butcher	2	69	1 38	

Detailed Statement of Expenditures—Continued.

Articles.	Quantity.	Average cost.	Am't.	Total.
Hardware—Continued.				
Knives, butcher	4	\$1 12	\$4 50	
" kitchen	4	30	1 20	
" mincing	8	33	2 60	
" pruning	1		88	
Lace leather	2 sides.	4 00	8 00	
Ladles	13	23	2 97	
Lanterns	3	1 00	3 00	
Locks, cupboard	11	18	1 93	
" door	16	1 69	27 08	
" pad	6	1 06	6 38	
Oil cans	7	27	1 91	
Picture nails	15 doz.	31	4 63	
Planes	6	73	4 38	
Plyers	6	79	4 75	
Pulleys	40	15	6 10	
Rakes, steel	6	83	5 00	
Razors	9	1 16	10 50	
Rope	10 lbs.	22½	2 25	
Rules	1		1 50	
Saws, hand	3	2 33	7 00	
" compass	1		60	
" circular	1		3 40	
" wood	1		1 50	
Sand-paper	2 qrs.	30	60	
Saw sets	2	50	99	
Sad irons	52 lbs.	8	4 14	
Sash cord	39	28	10 85	
Scythes and snaths	4	2 05	8 20	
Scraper	1		1 00	
Scale, counter	1		4 00	
Screwdrivers	6	35	2 10	
Seives	3	1 00	3 00	
Shovels, coal	2	1 75	3 50	
" dirt	5	1 35	6 75	
Shears	20	38	7 50	
Spades	4	1 50	6 00	
Spoons, table	4 doz.	4 20	16 80	
" tea	6 "	1 95	11 70	
Staples	12	7	88	
Steel	15 lbs.	29	4 35	
Tap	1		24	
Tape lines	2	1 50	3 00	
Teapot	1		1 50	
Thermometers	12	33	4 00	
Traps	2	63	1 25	
Twine	10 lbs.	55	5 55	
Wheelbarrows	2	2 15	4 30	
Wire	120 lbs.	11	12 98	
Webbing	1 pce.		2 00	
Wrenches	5	1 20	6 00	
Harness, single	1 set.		35 00	\$425 46
" repairs			66 22	
House furnishing—				101 22
Looking-glasses	4	1 25	5 00	
Picture-frame glasses	4	94	3 75	
				8 75

Detailed Statement of Expenditures—Continued.

Articles.	Quantity.	Average cost.	Am't.	Total.
Ice	52 cords.	\$5 00	.....	\$260 00
Instruments—				
Glass tube.....	.....	.....	50	
Hypodermic syringe.....	.....	.....	5 00	
Pocket case.....	.....	.....	22 50	
Spatulas.....	2	50	1 00	
Stomach tubes.....	4	2 00	8 00	
Stethoscope.....	1	.....	7 00	
Sponge and caustic holder.....	1	.....	5 00	
Syringes.....	5	1 45	7 25	
Splints.....	1 sett.	.....	24 80	
Suspensories.....	3	1 50	4 50	
Tooth forceps.....	9	2 61	23 50	
Trusses.....	2	4 00	8 00	
Trocars.....	1	.....	2 00	
Urinal.....	1	.....	4 00	
Vaccinator.....	1	.....	4 00	
				127 06
Labor—				
Cartage.....	$\frac{1}{2}$ day.	.....	2 50	
Mowing.....	1 "	.....	5 00	
Plowing.....	26 $\frac{1}{2}$ "	4 50	119 00	
Police duty.....	32 "	1 00	32 00	
				158 50
Manure	70 loads.	1 43	.....	100 00
Meats—				
Beef, fresh.....	92,541 lbs.	10 $\frac{1}{2}$	9,713 01	
" dried.....	227 "	17	39 09	
Hams.....	1,468 "	15	222 81	
Mutton.....	4,445 "	10	444 50	
Pork, mess.....	23 bbls.	16 86	387 81	
Sausage.....	430 lbs.	09	38 95	
Veal.....	498 "	10 $\frac{1}{2}$	53 37	
				10,899 54
Milk	33 galls.	23	.....	7 72
Miscellaneous—				
Awnings.....	2	5 00	10 00	
Buggy.....	1	.....	250 00	
Carriage and livery hire.....	.....	.....	107 75	
Hose.....	100 ft.	27	27 07	
Lamps.....	2	8 00	16 00	
Lawn mower.....	1	.....	22 00	
				433 82
Notions—				
Buttons.....	56 gross.	41	23 75	
Cards.....	3 doz.	1 50	4 50	
Checker boards.....	6	50	3 00	
Chess-men.....	2 setts.	88	1 75	
Combs, dressing.....	18 doz.	1 32	23 83	
" fine.....	12 "	50	6 00	
Hair pins.....	30 bdles.	14	4 25	
Hooks and eyes.....	12 doz.	10	1 25	
Key rings.....	17 "	36	6 25	
Mitts, woolen.....	3 prs.	42	1 25	
Pins.....	23 pks.	53	12 10	
Shirt bosoms.....	1 doz.	30	3 50	
Shoe laces.....	24 gross.	50	11 85	
Suspenders.....	2 doz.	3 50	7 00	
Tape.....	30 "	29	8 70	
Thimbles.....	24 "	17	4 00	
Spectacles.....	2 "	2 50	5 00	
				126 98

Detailed Statement of Expenditures—Continued.

Articles.	Quantity.	Average cost.	Am't.	Total.
Oils—				
Lard	193 galls.	\$1 02	\$198 22	
Neat's foot	5 galls.	1 40	7 00	\$205 22
Oysters—				
Oan	54 cans.	85	46 05	
Measure	11 galls.	1 89	20 80	66 85
Papers, Books and Periodicals—				
American Agriculturist	1 year.		1 50	
" Jour. Med. Sciences	1 year.		5 10	
Atlantic Monthly	1 year.		4 00	
Cleveland Herald	1 year.		10 00	
" Leader	1 year.		10 00	
" Plain Dealer	1 year.		10 00	
Harper's Monthly	1 year.		4 00	
" Weekly	1 year.		4 00	
Journal Med. Sciences	1 year.		6 30	
Microscopic Journal	1 year.		9 00	
Nation	1 year.		5 10	
Ohio State Journal	2 years.		18 00	
Scribner's Magazine	1 year.		3 00	
Old papers			62 68	
Abercrombie's Diseases of the Brain	1 vol.		1 25	
Day on the Nervous System	1 vol.		2 25	
Diagrams of the Nerves	1 vol.		4 20	
Burrows on Insanity	1 vol.		2 40	
Epilepsy	1 vol.		4 50	
Gayworthies	1 vol.		1 60	
Gall on the Cerebellum	1 vol.		2 25	
Griesinger on Insanity	1 vol.		3 75	
Harrison on Sleep	1 vol.		1 58	
Insanity	1 vol.		2 93	
Jacobi on Asylums	1 vol.		1 96	
Mayo's Engravings	1 vol.		6 00	
Mandaley Mind	1 vol.		3 25	
" "	1 vol.		2 63	
Morrison on Insanity	1 vol.		3 60	
Origin of the Species	1 vol.		1 40	
Suydenham Society Publications	40 vols.		69 00	
Spurzheim Insanity	1 vol.		2 00	
Winslow on Brain	1 vol.		3 80	
Todd's Cyclopedia	1 vol.		21 4	
Williams' Mind	1 vol.		3 00	
Premium on Gold			4 95	302 45
Patients' Expenses—				
Returning escaped patients				89 80
Plants and Seeds—				
Garden seeds				62 30
Postage				219 16
Poultry—				
Chickens	375 lbs.	14 $\frac{1}{2}$	54 57	
Turkeys	745 lbs.	17	125 80	180 37
Repairs—				
Repairing buggies, wagons, etc.			136 22	
" furniture			137 12	
" mattresses	29 $\frac{1}{2}$ days.	3 00	88 92	
" machinery			118 95	

Detailed Statement of Expenditures—Continued.

Articles.	Quantity.	Average cost.	Am't.	Total.
Repairs—Continued.				
Repairing roof			\$64 53	
" Clocks			9 20	
Bricklaying	25 days	\$4 46	111 52	
" helper	24½ days	2 00	49 50	
Carpentering	35 days	2 56	89 80	
Iron work on doors	7½ days	3 00	23 65	
Painting	49 days	3 00	146 60	
Plastering	121 days	2 41	291 94	
" cornice	299 feet	20	59 80	
Castings	4,652 lbs.	4	194 96	
Drain tile	600 feet	4½	28 30	
Fittings, gas			98 21	
" water			121 46	
Glass	21 boxes	4 25	89 42	
Hair	20 bu.	38	7 78	
Iron	649 lbs.	3½	24 21	
Lime	34 bbls.	1 28	43 40	
Lumber—ash	2,500 feet	21 07	53 18	
" oak	116 feet	34 00	3 96	
" pine	7,000 feet	22 96	160 73	
" poplar	2,860 feet	32 00	81 50	
" walnut	800 feet	56 00	45 40	
Nails	2,705 lbs.	4½	125 41	
Paints—benzine	14 galls.	22	3 05	
" dryer	3 galls.	1 62	4 86	
" linseed oil	98 galls.	94	92 22	
" red lead	59 lbs.	12	6 95	
" turpentine	9 galls.	70	6 20	
" varnish	5½ galls.	2 00	11 25	
" white lead	825 lbs.	12	96 62	
" zinc	100 lbs.	14	14 00	
Plaster	7 bbls.	2 90	20 30	
Packing, rubber	70 lbs.	55	38 93	
Register tops	24	1 83	43 95	
Sand	19 yds.	1 20	22 92	
Screws	98 gr.	60	60 14	
Wall paper	109 bolts	87	95 51	
Water lime	5 bbls.	1 70	8 50	
Wire screens	33 feet	75	24 55	
				\$2,955 69
Shoes—				
Men's	82 pairs.	1 96	160 75	
Women's	31 pairs.	1 47	45 60	
Slippers	72 pairs.	1 35	97 20	
Repairs			134 84	
				438 39
Soap and materials—				
Chemical	3,200 lbs.	5½	167 83	
Shaving	2 boxes	3 38	6 75	
Toilet	213 lbs.	21	44 86	
Rosin	5,861 lbs.	01½	99 21	
Soda-ash	7,242 lbs.	05	370 91	
Suet	1,684 lbs.	7½	123 83	
				813 18
Stationery—				
Blank books	49 qrs.	1 26	62 00	
Blanks, invoice	550 qrs.	3½	20 00	
Envelopes	1½ M.	5 00	7 88	
Ink	6 qts.	1 00	6 00	
Inkstands	3	53	1 60	

Detailed Statement of Expenditures—Continued.

Articles.	Quantity.	Average cost.	Am't.	Total.
Stationery—Continued.				
Letter books.....	4	\$1 75	\$7 00	
Lead pencils.....	5 doz.	62	3 12	
Labels.....	6 m.	2 16	13 00	
Memorandum books.....	5 doz.	2 53	12 63	
Paper, cap.....	3-4 r'ns.	5 00	3 25	
" note.....	10 "	3 04	30 40	
" printing.....	7 "	3 30	23 10	
Pen-holders.....	1 gr.	-----	1 50	
Steel pens.....	2 boxes.	2 12	4 25	
				\$195 73
Stock—cows.....	5	54 35	-----	271 73
Straw.....	49½ tons.	12 00	-----	590 62
Telegrams.....				62 84
Tin-ware—				
Cans.....	22	53	11 47	
Chambers.....	6 doz.	9 00	54 00	
Cups.....	2 "	2 00	4 00	
Pans—drip.....	8	1 77	14 19	
" meat.....	5	2 38	11 90	
" milk.....	2½ doz.	4 00	10 25	
Pie-plates.....	3 "	50	1 50	
Strainers.....	3	1 58	4 75	
Wash basins.....	15	40	6 00	
Repairs.....			36 39	
				154 73
Toll.....				52 33
Traveling expenses.....				258 50
Undertaking.....				35 00
Vegetables—potatoes.....	1,450 bus.	97	-----	1,405 82
Vinegar.....	552 galls.	19	-----	106 02
Wood.....	38 cords.	4 46	-----	169 60
Wooden-ware—				
Baskets, bushel.....	9	50	4 50	
" clothes.....	9	2 30	20 75	
" market.....	12	33	4 00	
Bowls.....	3	54	1 63	
Clothes pins.....	2 boxes.	1 25	2 50	
Pails.....	5 doz.	2 95	14 75	
Wash boards.....	1 "	-----	7 50	
				55 63
				64,965 34

Employees.

Name.	Occupation.	Pay per month.
F. K. Reed	Engineer	\$75 00
H. A. Kingsbury	Assistant Engineer	35 00
L. J. Bennett	Carpenter	40 00
G. Karber	Baker	40 00
J. O'Brian	Gardener	35 00
W. O. Percival	Teamster	30 00
M. B. Cook	Supervisor	30 00
S. B. Houghton	Night-watch	29 00
J. Kingsbury	Fireman	29 00
L. Kellogg	"	29 00
T. Pay	Porter	28 00
J. W. Doty	Hostler	25 00
F. Andrews	Gas maker	29 00
J. Kollmann	Dairyman	29 00
L. Fox	Attendant	29 00
J. McElroy	"	29 00
R. Ginniff	"	29 00
G. B. Ruggles	"	29 00
M. Rathbun	"	27 00
R. Pay	"	27 00
J. F. Bowen	"	28 00
H. Kellogg	"	28 00
C. Carr	"	25 00
H. Norris	"	25 00
J. Goldwood	"	25 00
C. H. Kellogg	"	25 00
H. Sheets	Store keeper	20 00
M. Walker	Seamstress	18 00
K. Whitney	Supervisor	16 00
S. A. Shain	Night-watch	15 00
J. Curry	Laundress	16 00
H. Cook	Distributor	15 00
H. Patrick	Attendant	15 00
E. Byers	"	15 00
E. Graves	"	15 00
A. Bowers	"	15 00
M. Rice	"	13 00
M. Judy	"	13 00
M. Ginniff	"	14 00
A. McCracken	"	14 00
J. Jenkins	"	12 00
A. Crafts	"	12 00
J. McGuire	"	12 00
L. Barkdull	"	12 00
E. McCracken	Chambermaid	12 00
G. McCracken	"	12 00
M. Moss	Dining room	15 00
J. Kollmann	"	10 00
S. B. Felton	Cook	14 00
E. Croft	Assistant Cook	12 00
C. Croft	"	12 00
J. Moffatt	Laundry girl	12 00
S. Jones	"	12 00
M. Connor	"	12 00

O H I O

Soldiers' and Sailors' Orphans' Home,

LOCATED AT XENIA, GREENE COUNTY.

SECOND ANNUAL REPORT

OF THE

BOARD OF MANAGERS,

TO THE

GOVERNOR OF THE STATE OF OHIO,

· NOVEMBER 15TH, 1871.

BOARD OF MANAGERS.

R. P. BUCKLAND, PRESIDENT, (term expires April 16, 1874).....Fremont.
JAMES BARNETT, (term expires April 16, 1875)Cleveland.
J. WARREN KEIFER, (term expires April 16, 1875)Springfield.
J. S. JONES, (term expires April 16, 1876)Delaware.
ALFRED TRADER, (term expires April 16, 1874)Xenia.
BARNABAS BURNS, (term expires April 16, 1873).....Mansfield.
M. F. FORCE, (term expires April 16, 1872).....Cincinnati.
H. G. ARMSTRONG, SECRETARY, (term expires April 16, 1872).....Cincinnati.

EXECUTIVE COMMITTEE.

J. WARREN KEIFER, Chairman. J. S. JONES, ALFRED TRADER,
H. G. ARMSTRONG, Secretary.

OFFICERS OF THE HOME.

DR. L. D. GRISWOLD.....Superintendent.
MRS. L. D. GRISWOLDMatron.
ELI MILLENTreasurer.

EDUCATIONAL DEPARTMENT.

PROFESSOR E. MERRICK, PRINCIPAL.

Miss PHOEBE ENSIGN, Miss MARY A. LOOFBOURROW,
Miss HATTIE E. GRISWOLD, Mrs. DELLA A. JOHNSTON.

40—EX. DOC. PT. I.

REPORT OF THE BOARD OF MANAGERS.

HON. R. B. HAYES, *Governor of Ohio* :

SIR: As required by law, the Board of Managers of the Ohio Soldiers' and Sailors' Orphans' Home have the honor to submit their second annual report :

There was appropriated by act of the last General Assembly, dated May 2, 1871—

To pay salaries of Superintendent, Matron and Teachers of the Ohio Soldiers' and Sailors' Orphans' Home	\$10,000 00
To purchase provisions, and to pay necessary current expenses and repairs .	40,000 00
For the erection of buildings for the accommodation of children, upon the premises deeded to the State, near Xenia, etc.....	100,000 00
For the erection of a barn	2,000 00
For a farm house, furnishing the same, etc.	2,500 00
For the erection of a hospital.....	7,500 00
For the purchase of cows, horses and agricultural implements	1,000 00
Total.....	\$163,000 00

There remained, unexpended, with the Treasurer of State, of last year's appropriation, at the date of our last report, the following sums :

For current expenses	\$49,302 65
For payment of salaries, etc.....	3,663 06
For purchase of stock	1,000 00
Total.....	\$53,965 71

The expenditures for the current year, for the payment of salaries, purchase of provisions, and necessary current expenses and repairs, and for the purchase of stock, is shown by the report of Eli Millen, Treasurer of the Ohio Soldiers' and Sailors' Orphans' Home at Xenia, to which reference is made.

The law requiring the title of the farm upon which the Xenia Home is situated, to be perfected, was complied with in all respects, and to the satisfaction of the Attorney General.

The lateness of the season at which the appropriation for building purposes was made (May 2, 1871), and the time required to complete plans

and specifications, and to give the required legal notice for the receipt of proposals for the erection of buildings, prevented the letting of building contracts until July 3, 1871. After this time, bricks had to be burned, and materials secured by the contractors, and brought upon the ground, all of which has caused delay in the progress of the work and the completion of the buildings, so much needed to provide for the many applicants for admission to the Xenia Home.

By the terms of the contracts, eleven cottages were to be completed by October 15, 1871, the Domestic Building by November 15, 1871, and the Administration Building by January 1, 1872.

On the 13th of October, 1871, contracts were awarded for the erection of a Hospital, to be under cover and enclosed by January 1, 1872, and fully completed by June 1, 1872; for a farm house and barn, to be completed by December 1, 1871; for a heating apparatus, to be completed for the uses of the domestic building and cottages, by the first of December, 1871, and the entire work to be finished as soon as the other buildings are ready.

On the 30th of October, 1871, contracts were awarded for the construction of a boiler house and smoke stack, to be completed by January 1, 1872.

The estimated cost for the construction of the administration and domestic buildings, and eleven cottages, under the contracts awarded, will be.....		\$71,115 66
For Hospital.....		7,179 71
For Heating Apparatus.....		14,616 10
For Boiler House and Smoke Stack.....		2,300 00
For Farm House.....		1,300 00
For Barn.....		2,000 00
Total.....		<u>\$98,511 47</u>

The total amount paid on account of estimates for work done and materials furnished on the ground, to all contractors, to November 15, 1871, is \$27,884.93.

On all estimates to contractors for work done, and materials furnished, 10 per cent. is deducted until the completion of the work in accordance with the contracts.

Although the weather since the letting of the contracts in July has been unusually favorable, the progress of the work has not been as great as was desired by the Board. None of the buildings are yet wholly completed, and it is feared they will not all be finished by the time fixed in the contracts. It is, however, confidently expected, and hoped, that the cottages, domestic building, farm house, barn, and heating apparatus, will be completed and ready for occupation and use at an early day, and before the setting in of winter. Every effort is being made by the Board to hasten the final completion of all the buildings contracted for.

The Board secured the services of Capt. Levi T. Scofield, of Cleveland, Ohio, a most accomplished Architect, to prepare the necessary drawings, plans, and specifications, for the buildings to be erected on the Home farm. Capt. Scofield performed this work with great skill, ability, and judgment; and was, upon the letting of the contracts, employed as Superintendent of the work. His great experience has been of invaluable service in each capacity he has been employed, and the Board have now to regret his necessary absence in Europe. Mr. Tobias Drees, of Xenia, Ohio, a skilled carpenter and builder, is employed as Assistant Superintendent of the work.

It was, upon full consideration, deemed wise, in the erection of new cottages, to construct each so as to provide ample accommodation for thirty-two children, to be under the control of a cottage manager.

The great cost of providing the necessary heating apparatus, conveniences for bathing, ventilation, etc., has somewhat augmented the cost for the construction of the buildings for the accommodation of the inmates above what it was originally estimated.

The Board beg leave to refer to the report of Dr. L. D. Griswold, Superintendent of the Xenia Home, for a carefully prepared estimate, showing the amounts necessary to complete the requisite buildings for the institution, and for estimates for current expenses, payment of salaries, and other necessary appropriations, for the ensuing year.

For a detailed statement of the receipts and expenditures, for all purposes, for the current year, attention is called to the several reports of the Superintendent, and of Eli Millen, Esq., Treasurer of the Xenia Home, both of which are herewith submitted.

The many wise suggestions contained in the Superintendent's report, with reference to the government, management, and control, and the disposition that should be made of the children at the Home, are especially commended.

The Board takes pleasure in again expressing their high appreciation of the valuable services rendered by Dr. L. D. Griswold, as Superintendent of the Xenia Home. It is believed that he has shown himself equal to the great task devolving upon him in the government and management of the many inmates of the institution. Upon him devolves, not only the government of all the inmates and employes, but the duty of making all purchases of clothing, provisions, etc., for the carrying on of the Home. Few are aware of the delicate, intricate, and responsible duties attached to the position of Superintendent of an institution of this character, but Dr. Griswold has fully met the expectations of the Board, and of all who have been in any manner interested in the success of the Home.

The Superintendent's salary is fixed by law at one thousand dollars per annum. This, in the opinion of the Board, should be increased to a sum more nearly commensurate with the responsibilities devolving upon, and the necessary duties required of, and performed by him.

To the Superintendent's Report we also refer for especial mention of the Principal of the Schools, Prof. E. Merrick, the teachers, cottage managers, and other employes of the Home. The Board is pleased to be able to say that they believe that each and all have discharged their duties faithfully and well.

The Board regrets that the continued ill-health of Mrs. L. D. Griswold, has prevented her from discharging all the responsible duties of Matron which her abilities would otherwise have enabled her to perform in a most satisfactory manner.

The necessary confusion incident to the erection of buildings has in some degree prevented the Home from being made all that is hoped for it in providing for the care, comfort, mental, moral, and physical training of the inmates. The Board is, however, particularly gratified at the progress made by the children in the schools, and the unmistakeable evidences of good deportment on the part of all. Many of the larger children are now required to work, the boys in the cultivation of the ground, and the girls in learning to do domestic work. All are required to attend school, where they are instructed according to the best system of modern education.

The number of inmates has not been materially increased since our last Report, for the want of room, but it is confidently expected that by the first of January next the number will be increased to over five hundred.

While the Board has not been at liberty, for the want of accommodations, to invite applications for admission, yet the number received warrants it in saying that there are at least eight hundred orphan children in the State of Ohio who are entitled, in consequence of their own poverty, and that of their immediate friends, to receive the benefits of the Home.

Besides giving to each of these orphans a good liberal English education, it is believed that all can be instructed in some sort of useful manual labor, which will inculcate habits of industry, and at the same time fit them for the ordinary employments in a useful future life.

The necessity of this institution is now so fully recognized by the people of the State of Ohio, irrespective of party, that it would be a work of supererogation to say anything upon the subject of its usefulness. The Board feel that upon the completion of the necessary buildings the institution will be recognized by all as second to none of the great beneficent institutions of the State.

The appropriations necessary to the completion of the buildings, and asked for in the Superintendent's Report, the Board most earnestly, yet respectfully, urge should be promptly made.

R. P. BUCKLAND, *President.*

J. WARREN KEIFER,

JAMES BARNETT,

B. BURNS,

M. F. FORCE,

JOHN S. JONES,

A. TRADER.

H. G. ARMSTRONG, *Secretary.*

RULES, REGULATIONS AND BY-LAWS
OF THE
BOARD OF MANAGERS.

SECTION 1. The regular meetings of the Board of Managers shall be held at such times and places as the Board may determine at each meeting thereof. Special meetings may be called by the President, or upon the application of two members of the Board.

On being directed by the President, the Secretary shall notify each member of the Board of the time and place of such regular and special meetings. And all special meetings shall be conducted as provided for conducting regular meetings.

SEC. 2. Any business of the Board of Managers may be transacted at either a regular or special meeting. And any question coming before the Board for its decision, except questions of order of business, shall, upon the demand of any member, be decided by the ayes and noes, which shall be recorded in the proceedings of the meetings. And the vote of a majority of all the members of the Board shall be required for the election of officers, employment and discharge of Superintendents and Matrons, appropriations of money, establishment of additional Homes, and fixing the number of pupils assigned to each Home.

SEC. 3. At all meetings of the Board, the following shall be observed as the regular order of business, unless by a vote of two-thirds of the members present it shall be otherwise ordered :

1. Reading and approval of minutes.
2. Petitions and communications.
3. Reports of committees of the Board.
4. Reports of officers of each Home in the order called for by the President.
5. Unfinished business.
6. Miscellaneous business, including all business connected with the management of each Home, and the duties of their officers.

SEC. 4. The first meeting held after the 16th day of April of each year, shall be called an annual meeting, at which the Board shall elect a President and Secretary of the Board, and a Treasurer for each Home, who shall enter upon their duties on the 21st day of April of said year, or as soon thereafter as they can be qualified, and the Treasurers each give bond as may be provided by law.

SEC. 5. In the absence of the President from any meeting of the Board, a President *pro tem.* shall be chosen to discharge the duties of presiding officer.

SEC. 6. The Secretary shall keep a faithful record of all proceedings of the Board, and he shall also keep a record of all estimates of the Board, that have been attested by the President and Secretary, and he shall report to the Board, at each meeting, the number, purpose and amount of such estimates, and whether the Auditor of State has drawn his warrants for the same. He shall perform such other duties, and make

such further reports as the Board from time to time may require. He shall also act as Secretary of the Executive and other committees of the Board by whom the services of such an officer may be required. In the absence or temporary inability of the Secretary to perform his duties, the Board or any committee may appoint a Secretary *pro tem*.

SEC. 7. The Treasurers of the Homes shall receive all moneys appropriated for the use of their respective Homes, the same to be disbursed by them upon the order of the President, countersigned by the Secretary. They shall keep a detailed account of all their transactions, showing concisely the purpose and amount for which all moneys are paid, including the sums paid in salaries and compensation to officers and employes, with names of said officers and employes, and the amount paid to each, and shall also make reports to the Board on the first Monday of each and every month, and such further reports as may be required of them by the Board or the Executive committee thereof.

SEC. 8. Three members, to be elected at the annual meeting, shall constitute an Executive Committee, who shall be authorized to examine the books, accounts and vouchers, and settle with the officers and employes of each Home, and make a full report thereof to the Board. The said committee shall pass upon all applications for admission to the Homes, and determine to which Home each approved applicant shall be sent, and shall have power to direct the Superintendent to discharge inmates for good cause or who may be of suitable age to care for themselves. The said committee shall audit all accounts and direct warrants to be drawn on the proper Treasurer for the payment of accounts so audited, and the committee shall maintain a general supervision over the affairs and financial condition of each Home, and keep the Board fully advised thereof.

SEC. 9. The Board shall appoint, at the annual meeting in the year 1871, and annually thereafter, a Superintendent and Matron for the government and management of each Home, who shall hold their respective places for the term of one year, and until their successors are appointed and qualified, neither of whom shall be permitted to resign without giving one month's notice to the President of the Board. All officers and employes shall be subject to such rules and regulations as may be at any time adopted for the government of each Home.

SEC. 10. The Superintendents shall be the chief executive officers of their respective Homes, and shall, subject to the approval of the Executive Committee, employ, control and discharge all assistants, teachers, attendants, and other necessary employes of their respective Homes, being responsible to the Board for the proper discharge of their duty. The number and compensation of such assistants, teachers, attendants, and other employes, shall be fixed by the Board.

SEC. 11. The Superintendents shall each receive an annual salary of one thousand dollars, payable quarterly. They shall prepare for their respective Homes, subject to the approval of the Board, the necessary rules and regulations for the government of all persons employed by them, and for the government, education and instruction of the children admitted to their respective Homes, and shall see that all employes faithfully discharge their several duties. They shall pay particular attention to the health and comfort of the children admitted to their respective Homes. Each Superintendent shall give bonds, to be approved by the Board, in the sum of five thousand dollars, conditioned for the faithful discharge of his duties, and the safe care and keeping of all moneys and property

entrusted to his charge, and shall take and subscribe to an oath of office before entering upon his duties.

SEC. 12. No religious influence of a sectarian character shall be tolerated, but all inmates of said Homes shall be under strict moral discipline, and whenever practicable shall be allowed to attend divine worship on the Sabbath whenever they may be so inclined.

SEC. 13. The Educational Department shall be under the general supervision of the Superintendent, and shall be conducted by a Principal and such assistant teachers as may be found necessary to secure to all children the advantages of a thorough English education. All inmates of the Homes, of proper age, shall be required to perform and be instructed in some kind of manual or skilled labor, suitable to their sex.

SEC. 14. The Superintendent of each Home shall obtain, as early as practicable, a complete history of every child admitted, embracing the name, age, place of birth, residence, regiment or ship in which the father served, when and where the father died, or became disabled, and in case of father's disability, nature and extent of the same, name of the mother (if living), and what means, if any, each child, or its immediate friends have for its support; the post office address of the person last having had control of each child, and generally all facts connected with the history of each child, and its parents, which can be procured. All of which shall be entered in a book kept for this purpose, which shall be open to inspection.

SEC. 15. Each Superintendent shall lay before the Board a monthly abstract statement of the condition of the Home under his charge; and at the last meeting preceding the 15th day of November of each year, he shall make a detailed report of all matters of interest connected with and pertaining to his said Home; which said report shall contain the names of all officers, assistants, teachers, attendants, and other employes, and the compensation and salary of each, and shall contain the name, age, former residence and date of admission of each inmate, and also the name, age, former residence, and date of admission of those who have been discharged, and the date thereof.

SEC. 16. The Superintendent of each Home shall have the general supervision of the buildings, appurtenances and grounds connected therewith, subject always to the control of the Board or of the Executive Committee. He shall perform the general duties, and make all purchases necessary for the use of the Home, consistent with the appropriation made therefor, and shall be responsible for the safe keeping and proper use of such articles purchased. And in all cases of purchase he shall require duplicate bills of items, and shall certify on each to the correctness of the same, (one of which bills shall be preserved by him, and the other forwarded to the Executive Committee,) that the articles charged were purchased by him for the use of the Home, and that the prices charged are as agreed upon and are reasonable and just. He shall keep the books of the Home, and keep a faithful record of the financial transactions of the same, and shall make a report of all his doings monthly, with a detailed statement of the expenses for the month, including labor and supplies, and perform such other duties as he may from time to time be directed to perform by the Board or the Executive Committee. All moneys which may be from time to time placed in his hands by the Board or the Executive Committee for disbursement he shall faithfully account for at the close of each month, or as often as the Executive Committee may require.

SEC. 17. The Matron of each Home shall assist the Superintendent in the discharge of his duties, and in case of his absence, or disability, perform his official duties. She shall receive a salary of \$400 per annum, payable monthly.

SEC. 18. All persons employed by the Board shall devote their whole time and attention to advance the interests of the Homes, and promote the general welfare of the inmates, and no one shall be permitted to leave the Homes without express permission from the Superintendent, and no one having contracted service shall be allowed to discontinue such service without giving the Superintendent one week's notice of a design to do so. All persons asking employment about the Home must give unquestionable evidence of good moral character.

SEC. 19. All charges for malfeasance or nonfeasance against any officer of the Board or the Homes shall be submitted to the Board in writing, and a copy of such charges shall be furnished by the Secretary to the person against whom the same were made, at least one week before such charge shall be acted upon by the Board.

SEC. 20. All applications for admission shall be made to the Superintendents of the Homes, and shall be in strict conformity with the blank forms furnished by him, and which shall give the name, date of birth, sex, class, residence, name of deceased or disabled father, regiment, company or ship in which the father served, in the army or navy of the United States, place where and date when the father died (if dead), and shall also show whether the mother is living or dead, her name, and the post-office address of the person having the child in charge, with a statement sworn to by some credible person showing the facts aforesaid; and also, that the parent or parents, if living, or other friends of such applicant, are unable to support and educate it; and that such applicant has no available means by which it can be supported or educated. All such applications, before being forwarded, must be endorsed and recommended for admission to a Home by a Judge of a Court of Record, Mayor of a city or incorporated village, Justice of the Peace, Board of Infirmary Directors, or the Trustees of any township in the State of Ohio.

SEC. 21. When the application for the admission of a child has been approved by the Executive Committee, and the Superintendent is ready to receive such approved applicant, the necessary transportation will be furnished to enable the child to reach the Home. Persons accompanying the applicant will not be furnished transportation at the expense of the Board.

SEC. 22. Inmates of the Homes may be discharged upon the application of their parents, guardian, or friends, at any time, with the consent of the Executive Committee, upon satisfactory representations, showing that the interests of such inmates will be promoted thereby, or that proper support and education would be provided for them elsewhere.

SEC. 23. In case of a necessity arising from any cause for the suspension, expulsion, or removal of any inmate of the Home, the same may be done by the Superintendent, having first obtained the consent of the Executive Committee; provided, that in case of an exigency arising, in the opinion of the Superintendent, the same may be done on the approval of the resident member of the board, the action taken to be reported to the next meeting of the Executive Committee for its approval.

SEC. 24. These Rules, Regulations and By-Laws may be amended, repealed, or added to, by a majority vote of all the members of the board, at any meeting thereof.

FORM OF APPLICATION FOR ADMISSION TO THE OHIO SOLDIERS' AND SAILORS' ORPHANS' HOMES.

[All applications for the admission of children should be addressed: "Superintendent O. S. and S. O. Home, Xenia, O.," who will send the necessary instructions for the forwarding of the approved applicant to the Home.]

STATE OF OHIO, ——— COUNTY.

On the ——— day of ———, 187—, before me(a) ——— a(b) ——— in said county, personally appeared(c) ——— of lawful age, who being by me first duly sworn upon(d) ——— oath, says that(e) ——— is personally acquainted with (f) ———, who is a resident of(g) ———, whose father was a soldier in the Union army, in the war of 1861, and who is an applicant for admission into one of the "Soldiers' and Sailors' Orphans' Homes of Ohio." Said applicant is a(h) ——— of the age of(i) ——— years, and was born at(j) ——— on the(k) ——— day of ———, A.D. 187—, (l) ———, the father of said applicant served in Company(m) ——— of the(n) ——— Regiment of(o), and(p) ——— at(q) ———, on the(r) ——— day of ———, A.D. 187—, and(s) ———, the mother of said applicant, is(t) ———. The post-office address of(u) ———, who now has the care and charge of said applicant, is(v) ———.

Said applicant is in needy and destitute circumstances for the following reasons: Its father is(w) ———, and its mother is(x) ———, and its immediate friends are(y) ———, and it has(z) ——— available means of its own by which it can be supported and educated. Affiant's post-office address is(aa) ———.

Remarks: (bb) ———. [Signature of affiant.] ———.

Sworn to before me, and subscribed in my presence, this ——— day of ———, A.D. 187—. And I further certify that the blanks in the above affidavit were all first carefully filled by me, and the affidavit then read to and understood by the affiant before the same was subscribed and sworn to, and I believe said affiant to be a credible person, and am satisfied the facts set forth in the above affidavit are true.

[Signature of Officer.] ———.

The undersigned,* ———, satisfied that the facts stated in the above affidavit are true, recommend the applicant as a suitable child for admission into a Soldiers' and Sailors' Orphans' Home.

Dated ———. [Official Signature.] ———.

- (a) Name of Officer before whom the affidavit is taken.
- (b) The title of the officer.
- (c) Name of affiant.
- (d) His or her.
- (e) He or she.
- (f) Name of applicant.
- (g) Place of residence.
- (h) Boy or girl.
- (i) No. years of age.
- (j) Place of birth.
- (k) Date of birth.
- (l) Name of father of applicant.
- (m) Letter of Company.
- (n) No. of Regiment.
- (o) Infantry, Cavalry, or Artillery, and of what State.
- (p) "Died" or "is living."
- (q) Place of death, or place where living when last heard from.

- (r) Date of death, or if living, date when last heard from.
 - (s) Name of mother.
 - (t) Dead or living.
 - (u) Name of person who has the care or charge of applicant.
 - (v) Post-office address of person in care or charge of applicant.
 - (w) "Dead," "disabled," "incompetent," or "too poor."
 - (x) "Dead," "disabled," "incompetent," or "too poor."
 - (y) "Unable," or "unwilling."
 - (z) "No," or "not sufficient."
 - (aa) Post-office address of affiant.
 - (bb) Any statement or statements that may be deemed of interest.
- * Judge of a Court of Record, Mayor, Justice of the Peace, Member of a Board of Infirmary Directors, or a Township Trustee.

SUPERINTENDENT'S REPORT.

To the Board of Managers of the Ohio Soldiers' and Sailors' Orphans' Home :

GENTLEMEN: I have the honor to submit my second annual report for the year ending November 15, 1871 :

Through the blessing of a benificent Providence, the inmates of the Home have enjoyed general good health. We have been free from any of the epidemic diseases peculiar to children, and have had but few cases of fever, all of which were of a malarious type, and originated in the localities from whence the children came.

During the winter several children suffered from pneumonia, but the cases were of a mild form and yielded readily to treatment. I think we are peculiarly fortunate in our location. The institution is situated on high ground, surrounded by pure air, and there are no swamps or other sources of malaria in the neighborhood.

The health of the children is doubtless promoted by a plain, nutritious diet and abundant exercise in the open air. The play grounds are extensive, and there is room enough for the various athletic sports in which children find pleasure.

There has been but one death in the institution since it was placed in my charge. Charles G. Smith, of Cambridge, Guernsey county, died on the 13th of October, of inflammation of the stomach and bowels, in the fifteenth year of his age. He was one of our very best boys, and his death cast a gloom over the Home.

At the date of my last report the number of children in the Home was 219, 140 of whom were boys, 79 girls—219. Received since my last report 51, of these 35 are boys, 16 girls—total 270.

The following have been honorably discharged, having arrived at the age of sixteen years :

James Doyle, Sarah Brabham, Charles Mantz, Albert W. Hudson, George Bowers, Florence Shane, Josephine Logan, Lillie Jackson, Olive A. Newson, Willebald Wagner, Hannah Mayo	11
Adopted by an excellent family in Fremont, Mary Belle Bennett.....	1
Sent to Reform Farm	3
Taken away by his mother.....	1
Expelled	1
Died	1
Total	18
Present number	252

OUR SCHOOLS

Are in a prosperous condition, and will, I think, compare favorably with those of the same grade in the villages of the State. I think we were fortunate in securing the services of Prof. Edward Merrick as Principal. He is a graduate of the Ohio Wesleyan University, at Delaware, and has, for several years, made teaching his profession. He directs the studies in all the schools and hears the recitations of the classes in Algebra and English Grammar in the High School. His influence over the children while out of school, in watching their deportment, is excellent, and he aids me greatly in maintaining a proper discipline.

School No. 1, (High School), is under the care of Miss Phebe Ensign, who is a thorough, capable and faithful teacher.

School No. 2 is in charge of Miss Hattie E. Griswold, who discharges her duties faithfully and well.

School No. 3 is in charge of Miss Mary A. Loofbourrow, an experienced and thorough teacher.

School No. 4, (Primary) is taught by Mrs. Della A. Johnston. She has recently introduced the system of teaching by object lessons, and the enthusiasm she has aroused among the little ones is very gratifying.

The branches taught in School No. 1 are, Reading, Spelling, Writing, English Grammar, Geography, Arithmetic, U. S. History, Algebra and Physiology.

School No. 2, the same as No. 1, with the exception of English Grammar, History, Physiology and Algebra.

School No. 3, the branches taught are Reading Spelling, Writing, Geography and Arithmetic.

School No. 4, Reading, Spelling, Mental Arithmetic and Writing on slates and the blackboard. The system of teaching by object lessons embraces also the elements of many of the natural sciences.

The principal text books are, McGuffey's Readers from 1 to 6, inclusive, Wilson's Union Speller, Ray's series of Arithmetic, Guyot's Geographies, Wilson's U. S. Histories, Harvey's Grammar, ——— Physiology, Ray's Algebra, Spencerian Copy Book.

Our Sabbath School is still conducted by ladies and gentlemen from the city, and is a model school. The children are deeply interested in the exercises, and I think are greatly benefited. Visitors from distant parts of the State, temporarily sojourning in Xenia, are attracted, and it is not uncommon for one hundred persons, not connected with the Home, to be present.

We are obliged to use our dining room for our Sunday School. The tables must be removed, the dishes washed and packed away, and seats

arranged for the school and for visitors. This is attended with much inconvenience, but is unavoidable until the State furnishes means to build a chapel, which, I trust, the next General Assembly will not fail to do.

The law requires us to discharge all children who arrive at the age of sixteen years. This seems very hard in many instances. A number were admitted who were in their sixteenth year, and just as they had become deeply interested in their education, and were making rapid improvement, we were obliged to send them away. If we could have retained them a year or two longer, they would have been qualified to become teachers, and have thus been enabled to sustain themselves respectably.

The age of sixteen years is a dangerous age for children to be thrust out upon the world to commence the struggle of life.

Their judgment is generally immature, while the passions exist in full force, and they have not learned that self-control which is necessary to resist the temptations by which the young are surrounded.

I would respectfully recommend that the law be so amended as to authorize the Board of Managers, at their discretion, to retain such of the children as they may deem proper until the age of eighteen years.

The children who are discharged are a source of much anxiety. Some of them have no home to go to, and others who have a surviving parent are but little better situated.

It is our duty to seek suitable homes and employment for such as are destitute.

This duty we have endeavored to discharge, as far as it has been in our power, but it requires much correspondence; and I have been so engaged with other necessary duties, that I could not, in all cases, devote the time necessary to secure the desired object.

I have retained two of the girls who were entire orphans and homeless as employees of the Home.

Scarcely a week passes that I do not receive applications for children (generally girls), to be adopted or raised. These are generally from entire strangers, unaccompanied by any recommendations, and are frequently in the form of an order describing the age, size, good looks and disposition of the article ordered. Doubtless, most of these applications are from very kind and benevolent persons, who would furnish good homes for the children, but there are difficulties in the way of disposing of our children of which they are not aware.

Most of the children have mothers, to whom they are dearer (if possible), than the children who have parents and homes of comfort and luxury are to those parents, because *their* children are their only source of comfort, and they are anxiously looking forward to the time when they

shall return to them educated and prepared to become their stay and support in old age. Very few such mothers are willing to give away their children.

Our little pet, Minnie, who came to us by express, has been almost demanded of us by a number of excellent persons who would have taken her to their hearts and homes, but she has a mother who would sooner part with her right arm than with her only child. This is the case with many of our children.

There has been a gratifying improvement in the deportment of nearly all the children committed to our care. They show a commendable degree of kindness towards each other; and the larger boys and girls aid us much in caring for the little ones. Quarrels (so common in private families), are almost unknown at the Home. We do not desire or expect that our household shall be entirely quiet and still, except on proper occasions. Child nature must have some vent, and we cheerfully tolerate considerable noise while the children are engaged in their sports. At the same time, we endeavor to check rude and boisterous behavior in both boys and girls.

The moral and religious interests of the children have not been neglected. Each day is commenced with reading the scriptures, singing and prayer. The day is closed in the same manner. While we carefully avoid all sectarian teachings, we strive to impress their minds with the great truths—that they have a Father in Heaven who loves them, and who claims their love and obedience; that they can best show their love to Him by loving each other, and by acts of kindness to all of His creatures.

We have received, at different times, the very gratifying evidence that we are remembered by friends in different sections of the State.

We received, last fall, a large supply of delicious grapes from a number of friends at Put-in-Bay Island, which the children fully appreciated. We received also some ten barrels of excellent fall apples, from friends in Ridgeville and Elyria, Lorain county. At Christmas, our cup was full and running over. First came a \$200 dollar organ from Mr. Wright, of Cincinnati; splendid boxes of holiday presents were received from Cleveland, Columbus, Cincinnati, Springfield, Elyria, Wilmington and Xenia. Mr. Bur, of Ashland, sent us \$125 in money; and Mr. W. S. Furay, of Columbus, some \$100, all of which was expended for the benefit of the children; and last, but not least, Post G. A. R., of Xenia, presented the children two tenor drums, one base drum, and two fifes, all in good order, so that our martial band was completely equipped.

Our new buildings, though not yet completed, are so far advanced as

to give evidence that, like all of the public institutions of our noble State, they will be the best of their kind in the country. They will be alike creditable to the Legislature which appropriated the money for their erection, and to the people of the State who demanded, with great unanimity, the establishment of this institution. We expect to be able to occupy a part of them by the first of December, and hope they will all be completed before Christmas.

We endeavor to impress upon the minds of the children the importance of forming habits of industry and economy. We teach them that labor is honorable; that nearly all of the great and good men of this country have been workers, and that if they expect to succeed in life they must be industrious.

During the spring and summer months there is a daily detail of boys for work on the farm and garden. Some of our most trustworthy boys milk the cows and take care of them; others feed the pigs, cut wood for the school-rooms and laundry, scrub and sweep the school-rooms, build fires in the morning and keep them up through the day.

The girls make the beds in both dormitories, wash and wipe the dishes, set the tables, sweep the halls, and do most of their own mending.

They are taught habits of neatness and order, and both boys and girls are taught to be polite and considerate towards each other, and towards all persons whom they may meet at the Home or elsewhere. It is our object to fit them for respectable positions in society and for lives of usefulness.

I desire to call your attention to the importance of securing some twenty-five acres of timber land now inclosed within our grounds, but not the property of the State. The one hundred acres donated by the citizens leaves a strip of land, some fifteen rods in width, extending across the entire east end of the farm and bounded by a public highway. It is a beautiful open forest, and the wood and timber on it is worth more than the price asked for the land.

Mr. Pelham, the owner, offers it to the State for one hundred and fifty dollars per acre, and it is hoped the General Assembly will authorize its purchase and appropriate the means. I am unable to state the exact amount required until it has been surveyed.

I am happy to state that the employes of the Home have generally co-operated with me in my endeavors to maintain proper discipline and good order, and to improve the children intellectually and morally. I am under very great and lasting obligations to them. It is with them a labor of love and duty, and they are generally deeply interested in their work. Such persons, and such only, should be connected with the institution.

We gratefully acknowledge the receipt of the following periodicals and newspapers, which have been sent us gratuitously :

Harpers' Monthly,	Delaware Gazette,
" Weekly,	Bellefontaine Republican,
" Bazar,	Hamilton County Register, Indiana,
New York Weekly Tribune,	Xenia Torchlight,
Clinton Republican,	Xenia Gazette,
Highland Weekly News,	Mattoon Ill's Journal, weekly and tri-w'kly,
The Galaxy (part of the year),	Shelby News,
Appleton's Journal,	Associate Presbyterian,
Army and Navy Journal,	Elyria Independent Democrat.
Grand Army Journal,	

We respectfully ask a continuance of these favors, and hope other editors and publishers will remember us.

The following is the estimate of Capt. Scofield, our accomplished architect, of the amount necessary to complete the institution :

10 new cottages, at \$3,000 each.....	\$30,000
24 piazzas, at \$400 each	9,600
Chapel	10,000
Ventilation	5,000
1,500 feet sewerage, at \$2 per lineal foot.....	3,000
Gas works.....	5,000
Landscape grading and fencing.....	7,000
Changing three (old) cottages, \$1,800.....	5,400
Cisterns	2,500
For an engine to force water from creek to reservoir.....	2,000
	<hr/>
	\$94,500

We shall need for current expenses, to provide for 800 children, \$65,000, and for the payment of salaries and the wages of employes the additional sum of \$15,000. From these sums may be deducted the amount of last year's appropriations which remain unexpended.

The following is the descriptive roll of those received since my last report :

1. William Burnett, aged 12 years. Son of Ephraim Burnett, 176th Regiment; Co. "E," who died at Nashville, Tenn., March 1, 1864. Mother's name, Susan Moody. Residence, West Jefferson, Madison County.

2. Rebecca J. Clark, aged 7 years. Daughter of Miller Clark, Co. "H," 10th Regiment, who died near Atlanta Ga., July 4, 1864. Mother's name, Ermin Clark. Residence, West Jefferson, Ohio.

3. Melvin A. Peeso, aged 13 years. Son of Theodore A. Peeso, Co. "H", 49th Regiment, died at Vining's Station, Ga., August, 25, 1864. Mother's name, Charlotte Peeso. Residence, Sycamore, Ohio.

4. Alpha Brayton, aged 7 years. Daughter of Wm. Brayton, Co. "B," 172d Regiment, who died at Nashville, Tenn., December 24, 1865. Mother's name, Lotta Holdsworth. Residence, Elmore, Ottawa county.

5. Lizzie May Brayton, aged 5 years. Daughter of Wm. Brayton, Co. "B," 172d Regiment, who died at Nashville, Tenn., December 24, 1865. Mother's name, Lotta Holdsworth. Residence, Elmore, Ottawa county.

6. Charles Gungle, aged 12 years. Son of George Gungle, 1st Ohio Cavalry, Co. "A," who died on hospital boat, near Hilton Head, South Carolina, September 11, 1865. Mother's name, Margaret Gungle. Residence, Washington Court House, Ohio.

7. Josephine Gungle, aged 11. Daughter of George Gungle, Co. "A," 1st Cavalry, who died on hospital boat, near Hilton Head, South Carolina, September 11, 1865. Mother's name, Margaret Gungle. Residence, Washington Court House, Ohio.

8. Wilhelmina Gungle, aged 8 years. Daughter of George Gungle, Co. "A," 1st Ohio Cavalry, who died near Hilton Head, South Carolina, September 16, 1865. Mother's name, Margaret Gungle. Residence, Washington Court House, Ohio.

9. Levin M. Doster, aged 10 years. Son of James M. Doster, Co. "C," 54th Regiment, who died at South Charleston, March 3d, 1870. Mother's name, Martha G. Doster. Residence, South Charleston, Ohio.

10. Harry J. Doster, aged 9 years. Son of Jas. M. Doster, 54th Regiment, Co. "C," who died at South Charleston, March 3d, 1870. Mother's name, Martha J. Doster. Residence, South Charleston, Ohio.

11. Chas. Kinney, aged 12 years. Son of Jas. Kinney, Co. "M," 1st Ohio Cavalry Regiment, who died at Chillicothe, Ohio, October 4th, 1870. Mother's name, Emma Kinney. Residence, Chillicothe, Ohio.

12. Rufus Wesley Markley, aged 9 years. Son of Francis A. Markley, Co. "B," 121st Regiment, who died at Chattanooga, Tenn., June 17th, 1864. Mother's name, Margaret Markley. Residence, Shelby, Richland county, Ohio.

13. Julia Hammil, aged 12 years. Daughter of Joseph Hammil, Co. "F," 74th Regiment, who died at Camden, Ga., November 1st, 1869. Mother's name, Leah C. Hammil. Residence, Xenia, Ohio.

14. Orah M. Christina, aged 12 years. Daughter of Samuel Christina, Co. "C," 120th Regiment, who died near Vicksburg, Miss., May 2d, 1863. Mother's name, Mary Christina. Residence, Union Tp., Logan county, Ohio.

15. Anna M. Christina, aged 6 years. Daughter of Samuel Christina, Co. "C," 120th Regiment, who died near Vicksburg, Miss., May 2d, 1863. Mother's name, Mary Christina. Residence, Union Tp., Logan county, O.

16. John W. Christina, aged 9 years. Son of Samuel Christina, Co. C, 120th Regiment, who died near Vicksburg, Miss., May 2d, 1863. Mother's name, Mary Christina. Residence, Union Tp., Logan county, Ohio.

17. Hannah A. Mayo, aged 15 years. Daughter of Valentine Mayo, Co. D, 114th Regiment, who died at Keokuk, Iowa, June 10th, 1863. Mother's name, Harriet Syferd. Residence, Washington, Fayette county, Ohio.

18. John D. Mayo, aged 13 years. Son of Valentine Mayo, Co. "D," 114th Regiment, who died at Keokuk, Iowa, June 10th, 1863. Mother's name, Harriet Syferd. Residence, Washington, Fayette county, Ohio.

19. John Gamble, aged 10 years. Son of Benjamin Gamble, Co. "I," 30th Regiment, who died at St. Louis, Missouri, September, 1863. Mother's name, Mahala Gamble. Residence, Watkins, Union county, Ohio.

20. George M. Gracy, aged 12 years. Son of Alexander Gracy, Co. "E," 52d Regiment, who died at New Alexandria, December 29th, 1867. Mother's name, Sarah E. Gracy. Residence, New Alexandria.

21. Letha Hamler, aged 14 years. Daughter of William Hamler, Co. "A," 122d Regiment, who died at Monocacy, Maryland, July 9th, 1864. Mother's name, Catharine Hamler. Residence, Zanesville, Ohio.

22. Charles Hamler, aged 12 years. Son of William Hamler, Co. "A," 122d Regiment, who died at Monocacy, Maryland, July 9th, 1864. Mother's name, Catharine Hamler. Residence, Zanesville, Ohio.

23. George E. Berry, aged 12 years. Son of Samuel H. Berry, Co. "D," 82d Regiment, who died at Marion, Ohio, May 10th, 1870. Mother's name, Julia A. Berry. Residence, Marion, Ohio.

24. Francis L. Berry, aged 10 years. Son of Samuel H. Berry, Co. "D," 82d Regiment, who died at Marion, Ohio, May 10th, 1870. Mother's name Julia A. Berry. Residence, Marion, Ohio.

25. Eugene T. Caldwell, aged 12 years. Son of Nicholas Caldwell, Co. "F," 72d Regiment, who died in Iowa, 1862.

26. James Thomas, aged 13 years. Son of James M. Thomas, Co. "C," 4th Cavalry, who died at South Salem, December 8th, 1867. Mother's name, Margaret Thomas. Residence, Summerford, Madison county, Ohio.

27. Cyrena J. Young, aged 8 years. Daughter of Wesley L. Young, Co. "G," 89th Regiment, who died at Samantha, Highland county, Ohio, June 7th, 1864. Mother's name, Mary J. Young. Residence, near Hillsboro, Highland county, Ohio.

28. Sarah Jane Cowell, aged 15 years. Daughter of Christopher Cowell, Co. "E," 120th Regiment, who died at Milliken's Bend. Mother's name, Maria Cowell. Residence, Franklin township, Wayne county.

29. John E. McCormick, aged 9 years. Son of John F. McCormick, Co. "G," 67th Regiment, who died at Cleveland, March 8th, 1869. Mother's name, Margaret McCormick. Residence, Cleveland, Ohio.

30. Samuel L. Brown, aged 8 years. Son of John H. Hunter, Co. "A," 64th Regiment. Mother's name, Martha C. Brown. Residence, Ashland, Ohio.

31. William D. Schrack, aged 14 years. Son of John Schrack, Co. "A," McLaughlin's Cavalry, who died at Knoxville, Tennessee. Mother's name, Lucetta Schrack. Residence, Newville, Richland county, Ohio.

32. James R. Schrack, aged 11 years. Son of John Schrack, Co. "A," McLaughlin's Cavalry, who died at Knoxville, Tennessee. Mother's name, Lucetta Schrack. Residence, Newville, Richland county, Ohio.

33. William H. Howard, aged 9 years. Son of William Howard, Co. "K," 195th Regiment, who died at Perryville, Kentucky, October 8th, 1862. Mother's name, Lizzie Howard. Residence, Ashtabula, Ohio.

34. George A. Schrack, aged 12 years. Son of John Schrack, Co. "A," McLaughlin's Cavalry, who died at Knoxville, Tennessee, February 3d, 1864. Mother's name, Lucetta Schrack. Residence, Newville, Richland county, Ohio.

35. Dennis Gullivan, aged 12 years. Son of Murty Gullivan, Co. "D," 2d Regiment, who died at Sidney, Ohio, October, 1864. Mother's name, Ellen Gullivan. Residence, Sidney, Ohio.

36. Willie Gullivan, aged 10 years. Son of Murty Gullivan, Co. "D," 2d Regiment, who died at Sidney, Ohio, October, 1864. Mother's name, Ellen Gullivan. Residence, Sidney, Ohio.

37. Lewis H. Brailey, aged 12 years. Son of Charles Brailey, Co. "G," 74th Regiment, who died at Murfreesboro, Tennessee, June 13th, 1863. Mother's name, Mary Ann Brailey. Residence, Clifton, Greene county, Ohio.

38. Eva Ewing, aged 8 years. Daughter of Alfred B. Ewing, Co. "A," 34th Regiment, who died at St. Louis, Missouri, June, 1867. Mother's name, Jane Ewing. Residence, Smith's Landing, Clermont county.

39. Charles Ewing, aged 10 years. Son of Alfred B. Ewing, Co. "A," 34th Regiment, who died at St. Louis, Missouri, June, 1867. Mother's name, Jane Ewing. Residence, Smith's Landing, Clermont county.

40. Robert Golden, aged 14 years. Son of Wm. Golden, who died at Paris, Illinois. Mother's name, Hester Golden. Residence, Springfield, Ohio.

41. James D. Beemis, aged 14 years. Son of Eri Beemis, Co. "E," 1st Artillery, who died at Nashville, Tennessee, July 12th, 1863. Mother's name, Lydia A. Phipps. Residence, Elyria.

42. Rosa Smith, aged 14 years. Daughter of Lenhard Smith, 28th Regiment. Mother's name, Wilhelmina Smith. Residence, S. N. Home, Dayton, Ohio.

43. Anna Wilson, aged 7 years. Daughter of Daniel Wilson, Co. "F," 110th Regiment, who died at Washington, D. C., April 8th, 1865. Mother's name, Elizabeth Wilson. Residence, Yellow Springs, Ohio.

44. Judson Wilson, aged 13 years. Son of Daniel Wilson, Co. "F," 110th Regiment, who died at Washington, D. C., April 8th, 1865. Mother's name, Elizabeth Wilson. Residence, Yellow Springs, Ohio.

45. John C. Van Gorder, aged 13 years. Son of Nelson Van Gorder, Co. "E," 44th Regiment, who died at Beverly, Virginia, September 25th, 1864. Mother's name, Julia Cruzen. Residence, Springfield, Ohio.

46. Edward Van Gorder, aged 11 years. Son of Nelson Van Gorder, Co. "E," 44th Regiment, who died at Beverly, Virginia, September 25th, 1864. Mother's name, Julia Curzen. Residence, Springfield, Ohio.

47. John Aldritch, aged 7 years. Son of Samuel Aldritch, Co. "B," 179th Regiment, supposed to be living.

48. Ansman Sanser, aged 8 years. Son of Jackson Sanser, Co. "C," 6th W. Va., who died at Chillicothe, January 28th, 1869. Mother's name, Mary Sanser. Residence, Steubenville.

49. John Monday, aged 10 years. Son of ——— Monday, Co. "K," 93d Regiment, who died at Dayton, Ohio, January 22d, 1865. Mother's name, Anna Monday. Residence, Dayton, Ohio.

50. John T. McKee, aged 5 years. Son of James H. McKee, who died in Warren county, Ohio, December 1st, 1867. Mother's name, Sarah A. McKee. Residence, Lebanon, Warren county, Ohio.

51. Sarah E. Richards, aged 11 years. Daughter of Jephtha S. Richards, Co. "D," 79th Regiment, who died at Resaca, Georgia, July 16th, 1864. Mother's name, Sarah A. Roush. Residence, Wilmington, Clinton county, Ohio.

Detailed Financial Statement of the Home at Xenia. Expenses from November 1st to December 1st, 1870, inclusive.

No. Bill.	To whom paid and on what account.	Amount.
96	Pay-roll	\$787 61
97	Mrs. Christy, making clothing	11 50
98	Pelham & Harvey, coal	200 00
99	Mary Filson, butter, etc.	14 72
100	Norris & McIlvain, carpenter work	41 25
101	Millen, Jobe & Co., dry goods, shoes, etc.	78 14
102	D. B. Cline, work on roads	15 00
103	Daniel Lewis, work on roads	26 25
104	Thomas Rolland, work on roads	10 50
105	John Nanor, work on roads	45 50
106	John Ewing, milk	37 24
107	Anthony Kelley, work on roads	9 75
108	Thomas Fitzgerald, work on roads	10 50
109	E. C. Fleming, drugs and medicines	3 50
110	H. S. Mathewman, laundry	64 38
111	Hooven & Sons, hardware	52 67
112	J. & J. C. Carey, groceries and provisions	32 24
113	S. Clark & Co., coal	186 41
114	Xenia Laundry, washing, etc.	87 80
115	J. & J. C. Carey, groceries and provisions	50 90
116	B. W. Bruel, caps and collars	80 75
117	David Dean, groceries and provisions	37 59
118	J. B. & D. J. Fleming, stoves, tinware, etc.	133 44
119	A. McDowel, lumber	257 61
120	W. L. Arnold & Co., groceries and provisions	166 73
121	Allison & Townsley, dry goods and bedding	211 46
122	" " dry goods	63 16
123	Merrick, McClure & Co., drain-tile	30 00
124	J. G. English, brooms	22 00
125	James Scarff & Co., lumber	54 64
126	William H. Sadler, bread	284 21
127	Charles Kelleen, labor	35 75
128	Jerry Kiser, sweet potatoes and eggs	14 75
129	Samuel Pollard, garden vegetables	32 65
130	Dr. Leigh McClung, medical services to Mrs. Buchanan	7 00
131	A. E. Lord, 100 bushels potatoes	78 25
132	National Asylum, woolen socks	67 71
133	Sarah E. Buckles, making clothing	41 00
134	F. M. Shipley, meat	223 45
135	A. Ferguson, drayage	11 00
136	Drees & Thornhill, making blackboards	19 85
137	R. D. Poore, potatoes	233 95
138	Kelso Brothers, drugs and medicines	27 65
139	Mrs. R. Brown, washing, etc.	49 04
140	Hester L. Dixon, making clothing	46 00
141	J. G. Rust, shoes	112 05
142	J. F. Trader & Co., books and stationery	103 67
143	Rabbitts, Steel & Co., cloth	189 22
144	Henry W. Anderson, straw and lard	9 25
145	Cooper & Hutchinson, dry goods	373 39
146	H. Farrell, groceries and provisions	124 18
147	Finley Torrance, carriage	200 00
148	Daniel Brodist, carpenter work	30 00
149	Nancy Sykes, work in laundry	11 19
150	Rhoda Brown " "	11 19
151	Mrs. Bray " "	12 25
152	Mrs. Hays " "	12 25
		\$5,184 64

Expenses for December, 1870.

No. Bill.	To whom paid and on what account.	Amount.
153	Pay-roll	\$641 94
154	Huldah Young, washing and ironing	57 75
155	Pelham & Harvey, brick	10 00
156	Pelham & Harvey, coal	69 75
157	Charles Kelleen, labor	29 25
158	H. Farrell, flour and butter	85 70
159	Rabbitts, Steele & Co., cloth	47 30
160	H. Worden, furniture	41 65
161	Millen, Jobe & Co., dry goods and shoes	145 15
162	Miller & Thrall, books and stationery	66 01
163	J. F. Trader, stationery	30 39
164	William Sweeny, lumber	11 71
165	F. M. Shipley, meat	254 47
166	W. H. Sadler, bread	313 15
167	D. Dean, groceries	87 33
168	Allen & Kelso, drugs	31 49
169	A. McDowell, lumber	76 01
170	Kidder & Heidler, oysters, fruits, &c.	142 64
171	Richard Jennifer, mending shoes	17 15
172	John Ewing, milk	42 42
173	Merrick & McClure, dry goods	61 92
174	Cooper & Hutchinson, "	10 80
175	Allison & Townsley, "	169 87
176	J. & J. C. Carey, groceries and provisions	49 58
177	M. Wilson & Son, flour	17 25
178	J. B. & D. J. Fleming, hardware and tin	133 10
179	Jerry Kiser, sweet potatoes and cutting wood	6 69
180	W. L. Arnold, groceries and provisions	397 28
181	Mary Tilson, butter, &c.	8 90
182	C. W. Trader, cheese	7 26
183	L. Arnold, oats	25 19
184	Cincinnati Tin & Japan Mfg. Co., spoons and forks	13 00
		\$3,104 10
	<i>Cr.</i>	
	Bill of Rabbitts, Steele & Co., duplicate (error)	49 30
		\$3,054 80

Expenses for January, 1871.

No. Bill.	To whom paid and on what account.	Amount.
185	Pay-roll	\$689 88
186	J. F. Trader & Co., books and stationery	12 69
187	Coleman Heaton, laying brick	13 00
188	H. Farrell, butter	31 15
189	D. Dean, buckets, coffee, &c.	37 42
190	Miller & Thrall, books and stationery	11 74
191	Kidder & Heidler, butter and oysters	82 00
192	Lewis & Baker, groceries	41 25
193	Millen, Jobe & Co., dry goods	382 35
194	A. M. Stark, groceries	132 61

Expenses for January, 1871—Continued.

No. Bill.	To whom paid and on what account.	Amount.
195	W. H. Saddler, bread.....	\$242 85
196	Cooper & Hutchinson, dry goods.....	50 17
197	Allison & Townsley, dry goods.....	52 66
198	Jerry Kiser, laborer.....	20 35
199	J. G. Rust, shoes.....	26 70
200	P. S. Lauman & Son, matting.....	13 16
201	Kelso Bros, drugs.....	33 87
202	Nesbit & Bro., hardware.....	2 59
203	Merrick, McClure & Co, dry goods.....	151 34
204	Hooven & Sons, hardware.....	21 68
205	J. B. & D. J. Fleming, tin and hardware.....	40 85
206	Nesbit & Bro., hardware.....	8 97
207	W. & L. Arnold, groceries and provisions.....	17 29
208	Maxwell, Long & Co., soap.....	48 00
209	John Ewing, milk.....	43 40
210	J. W. Duran, corn meal.....	5 34
211	Mrs. Sturdevant, washing.....	6 83
212	Knox Washing Machine Co., washing machine.....	35 00
213	Rabbitts, Steel & Co., yarn, &c.....	105 70
214	L. D. Griswold, estimate.....	500 00
215	L. C. Bronson, knitting machines.....	27 00
216	Wm. Cunningham, laborer.....	10 00
217	Celia Gilbert, bathing children, &c.....	8 50
218	F. M. Shipley, meat.....	239 58
219	L. Anderson, mending shoes.....	22 45
220	S. Clark & Co., coal.....	213 30
		\$3,381 67

Expenses for February, 1871.

No. Bill.	To whom paid and on what account.	Amount.
221	Pay-roll.....	\$954 12
222	Millen, Connable & Co., lard and hams.....	180 55
223	Dubois & Oglesbee, stoves.....	35 00
224	Hester L. Dixon, making clothing.....	31 75
225	Sarah E. Buckley, making clothing.....	33 75
226	J. Shillito & Co., matting.....	104 98
227	J. B. Monroe, tables.....	40 00
228	Rabbitts, Steele & Co., cloth.....	71 77
229	Cincinnati Gazette Co., printing order book.....	16 00
230	J. Anderson, mending shoes.....	22 25
231	Allison & Townsley, dry goods.....	4 03
232	Merrick, McClure & Co., dry goods.....	10 14
233	Kelso & Bro., drugs.....	32 76
234	W. F. Trader & Co., books and stationery.....	36 26
235	Lauman & Neville, hardware.....	18 00
236	Hooven & Sons, hardware.....	4 25
237	J. B. & D. J. Fleming, hardware and tin.....	47 10
238	Cooper & Hutchinson, dry goods.....	79 37
239	Lauman & Neville, hardware.....	20 18
240	Carruthers & Johnson, groceries and provisions.....	184 03

Expenses for February—Continued.

No. Bill.	To whom paid and on what account.	Amount.
241	D. Dean, groceries	\$43 79
242	Kidder & Heidler, groceries and provisions	49 17
243	W. & L. Arnold, groceries	6 50
244	Millen, Jobe & Co., shoes	10 05
245	Geo. & J. B. Monroe, sinks	22 50
246	Sears & Bro., repairing pump	7 00
247	L. R. & W. J. Gorden, potatoes and turnips	145 00
248	Jerry Kiser, cutting wood	4 75
249	F. M. Shipley, meat	240 85
250	J. & J. C. Carey, groceries and provisions	20 01
251	John Ewing, milk	39 20
252	French Bakery, bread	219 96
253	Pelham & Harvey, coal	136 58
254	Pelham & Harvey, coal	9 86
255	R. E. Richardson, omnibus	36 00
		\$2,917 51

Expenses for March, 1871.

No. Bill.	To whom paid and on what account.	Amount.
256	Pay-roll	\$642 58
257	J. O. Barnetts, cow	60 00
258	E. E. Andrew, cow	60 00
259	Mathews, horse	175 00
260	W. F. Trader, books and stationery	34 84
261	Cooper & Hutchinson, dry goods	79 83
262	E. E. Lyons, butter	41 98
263	Kelso Bros., drugs and glass	38 13
264	Hooven & Sons, hardware and harness	42 45
265	J. A. Griffith, buttons	15 00
266	L. C. Hopkins & Co., muslin	53 03
267	Snowden & Otte, carpets	19 00
268	Nesbitt Bros., hardware	14 05
269	French Bakery, bread	281 74
270	John Ewing, milk	21 70
271	Carruthers & Johnson, groceries	89 07
272	W. & L. Arnold, groceries	190 11
273	Robinson Ludbeth, cows and hogs	145 00
274	M. A. Heaton, millinery	15 75
275	Millen, Jobe & Co., dry goods and shoes	40 84
276	Geo. Watson, horse	180 00
277	Dubois & Barrows, farm wagon and seeds	138 20
278	H. J. Bonner, cow	60 00
279	M. Wilson & Son, flour	30 75
280	David Dean, groceries and provisions	19 38
281	A. Thirkield, dry goods	47 65
282	Shipley & Bro., meat	248 21
283	Jerry Kiser, laborer	12 63
284	J. G. English, brooms	29 16
285	John Shillito & Co., matting	107 31
286	J. T. G. Bell, hogs	89 90
287	Lewis Buster, plowing	27 00
288	M. Wilson & Son, flour	25 60
289	J. Anderson, repairing shoes	6 00
		\$3,081 89

Soldiers' and Sailors' Orphans' Home.

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Expenses for April, 1871.

No. Bill.	To whom paid and on what account.	Amount.
290	Pay-roll	\$626 59
291	Harrison Hilvey, building fence	19 87
292	Rufus Harris, building fence	18 75
293	J. Shillito & Co., dry goods	93 89
294	Kelso Bros., drugs	24 98
295	J. G. Rust, mending shoes	24 15
296	Lester Arnold, oats	14 01
297	Lewis & Baker, butter	25 20
298	A. M. Stark, groceries	84 44
299	J. B. & D. J. Fleming, hardware and tin	31 01
300	J. T. Wilson, evergreen, etc	20 90
301	Addison Lord, grape roots etc	32 00
302	Kidder & Heidler, vegetables	17 90
303	Carruthers & Johnston, groceries and provisions	5 08
304	Austin McDowell, lumber	165 79
305	Millen, Connable & Co., provisions	50 59
306	David Dean, groceries	115 66
307	A. Thirkield & Son, dry goods	19 95
308	E. E. Lyons, butter	107 06
309	French Bakery, bread	256 66
310	Rabbitts, Steele & Co., cloth	80 00
311	Shipley & Bro., meat	256 59
312	Mr. Dungan, cow	75 60
313	John Ewing, two cows	125 00
314	Miller & Thrall, books and stationery	34 62
315	Samuel Newton, books and stationery	6 20
316	John Adler & Co., girls hats, etc	34 88
317	Dr. L. McClung, medical service	6 00
318	Jerry Kiser, laborer	6 50
319	H. Farrell, harrow	10 25
320	B. V. Lucas, gates	16 70
321	Wm. Tannehill, repairing plows	5 25
322	Wilson & Co., tile	3 18
323	Millen, Jobe & Co., dry goods	13 35
324	Merrick, McClure & Co., dry goods	138 46
325	W. & L. Arnold, groceries	32 59
326	Allison & Townsley, dry goods	25 96
327	Quinn & Andrews, fence posts	7 50
328	S. Clark, coal	28 50
329	M. Berry & Bro., sash	12 00
330	B. G. Conwell, making clothes	4 00
331	J. Anderson, mending shoes	8 50
332	L. D. Griswold, estimate	500 00
		\$3,216 11

Expenses for May, 1871.

No. Bill.	To whom paid and on what account.	Amount.
333	Pay-roll	\$918 16
334	Shipley & Brother, meat	218 36
335	French Bakery, bread	274 67
336	J. & J. C. Carey, provisions	3 10
337	Gazette Co., printing	14 90
338	S. Clark & Co., coal	32 62
339	Eli Millen, expenses	19 70
340	Millen, Jobe & Co., dry goods	131 11
341	A. McDowell & Co., lumber	97 74
342	E. E. Andrews, cow and calf	65 00
343	Jas. Humphreys, cow and bull	85 00
344	Harrison	
345	Kelso Brothers, drugs	37 98
346	Geo. W. Litten, two cows	125 00
347	J. H. Miller, pig	15 00
348	J. & L. Seasongood, 105 suits	683 60
349	Maxwell, Long & Co., hard soap	36 00
350	John Adler & Co., clothing	82 23
351	Mr. Moon, cow	50 00
352	Trader & Co., books and stationery	42 37
353	Xenia Torchlight, printing	24 50
		\$3,022 04

Expenses for June, 1871.

No. Bill.	To whom paid and on what account.	Amount.
354	Pay-roll	\$699 67
355	Nesbitt Brothers, hardware	31 72
356	J. H. Green, vegetables	3 22
357	Kidder & Heidler, fruit and vegetables	16 13
358	S. Newton, stationery, etc.	5 75
359	Carruthers & Johnston, cheese	7 95
360	David Dean, butter	9 54
361	Millen & Connable, hams and drayage	143 79
362	F. M. Shipley, meat	167 25
363	Millen, Jobe & Co., dry goods	158 31
364	J. E. Hannon, dry goods	92 94
365	W. Tannehill, blacksmithing	
366	Merrick, McClure & Co., dry goods	67 03
367	J. & J. C. Carey, groceries	150 49
368	R. E. Richardson, omnibus	30 55
369	" "	34 00
370	J. S. Mervir, repairing sewing machine	14 65
371	J. Shillito & Co., dry goods	115 50
372	Merrick, McClure & Co., dry goods	57 78
373	Samuel Newton, books and stationery	12 70
374	French Bakery, bread	284 12
375	Allison & Townsley, dry goods	25 75
376	Carruthers & Johnston, groceries	195 76
377	Kelso & Bros., drugs	14 05
378	A. M. Stark, groceries and provisions	261 13

Expenses for June—Continued.

No. Bill.	To whom paid and on what account.	Amount.
379	David Dean, groceries.....	\$26 49
380	Dr. McClung, medical services.....	2 00
381	Cooper & Hutchinson, dry goods.....	7 98
382	Sarah E. Buckley, making clothing.....	46 82
383	J. B. & D. J. Fleming, hardware.....	21 15
384	J. B. & D. J. Fleming, ".....	68 75
385	Henry Smith, vegetables.....	24 55
386	A. M. Stark, groceries and provisions.....	203 93
387	L. D. Griswold, estimate.....	500 10
388	Allison & Townsley, dry goods.....	78 00
		\$3,589 10

Expenses for July, 1871.

No. Bill.	To whom paid and on what account.	Amount.
389	Pay-roll.....	\$655 74
390	Lewis & Baker, groceries.....	31 95
391	A. McDowell, lumber.....	39 62
392	W. H. Sadler, bread.....	90 86
393	Thirkield & Son, dry goods.....	4 50
394	Shipley & Bro., meat.....	85 91
395	A. M. Stark, groceries.....	17 33
396	Drees, Knight & Thornhill, lumber.....	69 19
397	W. & L. Arnold, groceries.....	26 56
398	Allison & Townsley, dry goods.....	18 52
399	Quinn & Andrew, lumber.....	75 53
400	Millen, Jobe & Co.	14 76
401	S. Clark & Co., cannel coal.....	93 30
402	Samuel Sears, lightning rods.....	74 00
403	Kelso & Brothers, drugs.....	10 00
404	R. E. Richardson, omnibus and carriage.....	19 75
405	Morgan & Root, dry goods.....	426 40
406	S. Hyman & Co.,	17 85
407	Fairbanks, Morse & Co., hay scales.....	100 00
408	Mrs. Buckler, making clothes.....	12 25
409	Mrs. Hughes, ".....	17 12
410	Frauk Bronson, laborer.....	5 75
		\$1,906 89

Expenses for August, 1871.

No. Bill.	To whom paid and on what account.	Amount.
411	Pay-roll	\$903 99
412	E. C. Fleming, drugs and medicines	12 23
413	Kidder & Heidler, fruit	7 65
414	A. M. Stark, groceries	25 76
415	S. Clark, coal	147 45
416	Allison & Townsley, dry goods	7 70
417	W. & L. Arnold, groceries	58 37
418	J. & J. C. Carey, groceries	50 95
419	W. F. Trader & Co., books and stationery	21 52
420	Millen, Jobe & Co., shoes	9 95
421	Merrick, McClure & Co., dry goods	32 28
422	Cooper & Hutchinson, dry goods	74 81
423	Henry Smith, fruit and vegetables	5 80
424	Rabbitt, Steele & Co., dry goods	205 77
425	J. B. & D. J. Fleming, hardware and tin	36 26
426	W. H. Sadler, bread	94 73
427	Shipley & Bro., meat	81 95
		\$1 777 17

Expenses for September, 1871.

No. Bill.	To whom paid and on what account.	Amount.
428	Pay-roll	\$681 58
429	Morgan, Root & Co., dry goods	115 99
430	R. E. Richardson, omnibus	16 00
431	Clinton Bell, cow	20 00
432	F. M. Shipley, meat	162 18
433	French Bakery, bread	273 15
434	Routzong & Harner, groceries and provisions	246 52
435	Nesbitt & Bro., hardware	21 91
436	J. B. & D. J. Fleming, stove repairing and hardware	45 40
437	Kelso Brothers, drugs	17 95
438	Routzong & Harner, turkey	1 35
439	Dubois & Barrows, garden seeds	16 20
440	E. C. Fleming, drugs, etc.	8 58
441	A. M. Stark, groceries and provisions	34 08
442	J. E. Hannon, dry goods	6 17
443	Samuel Newton, books and stationery	25 29
444	Kelso Brothers, drugs	19 15
445	J. & J. C. Carey, groceries and provisions	30 05
446	Allison & Townsley, dry goods	42 54
447	Merrick, McClure & Co., dry goods	35 09
448	W. & L. Arnold, groceries and provisions	21 49
449	David Dean, groceries and provisions	16 14
450	W. F. Trader, books and stationery	52 25
451	Jerry Kiser, cutting wood, and vegetables	32 79
452	Lewis & Baker, groceries and provisions	107 71
453	Millen, Jobe & Co., shoes and clothing	183 96
454	Xenia Gazette, printing	20 00
455	Rabbitt, Steele & Co., cloth	257 84
456	Wm. Steward, digging stumps	35 00
457	E. E. Lyons, butter	48 78
458	J. Shillito & Co., dry goods	122 15
459	L. D. Griswold, estimate	500 00
		\$3,227 29

Expenses for October, 1871.

No. Bill.	To whom paid and on what account.	Amount.
460	Pay-roll	\$818 49
461	E. C. Fleming, drugs	3 90
462	Millen, Jobe & Co., shoes and dry-goods	87 51
463	J. & J. C. Carey, crockery, etc.	56 81
464	A. M. Stark, groceries	47 70
465	J. B. & D. J. Fleming, hardware	27 57
466	M. D. Gatch, groceries and provisions	59 00
467	Merrick, McClure & Co., dry goods	161 35
468	Carruthers & Johnson, groceries	177 54
469	Kelso & Bros., drugs	16 62
470	Quinn & Andrews, lumber	17 61
471	S. Newton, books and stationery	14 56
472	W. F. Trader, books and stationery	18 25
473	W. M. Cunningham, provisions	22 50
474	B. T. Farber, sweet potatoes and fruit	30 13
475	E. W. McClellan, winter apples	31 45
476	Robert Jackson, winter apples	85 00
477	Anderson & Davis, removing fence	16 45
478	Shearer & Smeigh, undertakers, coffin	37 00
479	W. & L. Arnold, groceries	22 10
480	N. Nesbitt, apples and cabbage	97 25
481	F. M. Shipley, fresh meat	190 55
482	W. H. Sadler, bread	293 66
483	W. & L. Arnold, groceries and provisions	60 60
484	Wm. H. Tannehill, blacksmith work	13 40
485	E. E. Lyons, butter	188 01
486	E. Bonner, potatoes	26 00
		\$2,521 01

L. D. Griswold, Superintendent, in account with the Ohio Soldiers' and Sailors' Orphans' Home.

1870.		Dr.	Cr.
Nov.	15. To balance of cash in hand at date.....	\$317 25	.....
	16. By paid express charges on grapes donated.....		\$4 05
	17. " For 170 cabbages.....		10 20
	17. " A. French, for 17 day's services.....		17 00
	18. " J. W. Shuly, hauling tan-bark, 3 days, for cellar.....		10 50
	18. " Daniel Haverstick, 2½ days do.....		8 75
	18. " For postage stamps.....		3 00
	18. " For lantern.....		1 00
	18. " For bringing children to Home.....		1 00
	19. " For postage stamps.....		3 00
	19. " For fresh fish.....		85
	20. " For telegram.....		1 20
	23. " For collars.....		20
	23. " For telegrams.....		50
	23. " For 5 lbs. butter.....		1 75
	25. " For shoeing horse.....		1 25
	28. " J. M. Reeder & Bro., building flues.....		2 00
	29. " For ironing board.....		50
	29. " For house cleaning.....		6 75
	30. " For telegram.....		1 20
Dec.	2. " For telegram.....		25
	2. " For express bill.....		2 60
	2. " A. Brown, cleaning well.....		2 00
	2. " Mrs. McKee, making clothing.....		12 50
	5. " Mrs. Grinnell, 1 week nursing and sewing.....		4 00
	6. " J. Peterson, 22 cwt. hay, at 80c.....		17 60
	8. " Mary Armstrong, teaching 1 week.....		6 66
	8. " For postage stamps.....		3 00
	8. " Mrs. Fistering, for butter.....		2 89
	8. " C., H. & D. R. W., transporting children.....		4 20
	8. " C., C., C. & I. R. W.,.....		4 48
	9. " Miss Anna J. Shipherd, for 1 week teaching.....		6 00
	10. " For telegram to Gen. Buckland.....		20
	10. " For 3 doz. eggs.....		90
	14. " For postage stamps.....		3 00
	14. " Mrs. Bartley, for 2 weeks labor washing.....		7 00
	15. " E. Oglesby, 17 lbs. butter at 35c.....		5 97
	17. " For house scrubbing.....		50
	18. " For telegram.....		50
	21. " For express bill.....		25
	21. " V. Welch, for load of straw.....		3 50
	23. " For 20 lbs. butter at 35c.....		7 00
	23. " Mrs. Ryan, making pants.....		5 00
	23. " Mrs. McKee, making clothing.....		4 25
	27. " For shoeing horse.....		1 85
	28. " Railroad fare, 2 boys.....		1 00
	31. " For load of straw.....		3 00
	31. " For butter.....		5 60
	31. " For sausage meat, 25 lbs.....		3 00
	31. " Scrilla Bartley, 2 2-6 weeks washing.....		8 15
1871.			
Jan.	2. " J. H. Bonner, for stockings.....		4 20
	2. " Postage and box rent.....		1 75
	2. " James Harris, blacksmith bill.....		3 24
	3. " For collars.....		45
	4. " For filling ice house.....		.....
	4. " Thomas Price, 3 days.....		5 25
	4. " Henry Young, 3 days.....		5 25
	4. " Henry Berry, 3 days.....		5 25
	4. " George Bird, 2 days.....		3 00
	6. " Exp. to Cin. to purchase goods for Home R. R. fare.....		3 48
	6. " Dinner.....		75
	6. " Expenses of Miss Worcester to Dayton, to purchase knitting machine.....		2 05

Soldiers' and Sailors' Orphans' Home.

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1871.		Dr.	Cr.
Jan.	6. By paid for sewing machine needles		\$.50
	6. " Wm. Sweeny & Son, lumber		1 50
	6. " For postage stamps		3 00
	6. " Daniel Broadest, for 5 days filling ice house and assorting apples		7 50
	6. " Express bill .....		.35
	6. " Expenses to Dayton to purchase shoes		1 20
	12. " Expenses to Springfield to meet Executive Com.		2 20
	14. " Daniel Haverstick, for 6 days' work with team filling ice house		22 00
	14. " B. F. Muxy, for 34 hens		8 50
	14. " John H. Manor, for butter and eggs		14 02
	17. " For telegrams .....		.50
	17. " Eliza Buss, for 4 days' work		2 00
	17. " Express bill .....		.50
	20. " For 18 lbs. butter at 30c		5 40
	20. " Mrs. Bush, making clothing		3 60
	26. " For postage stamps		3 00
	26. " For Cincinnati Commercial		1 75
	28. " Mary Slaughter, services in kitchen		5 00
	28. " Freight bill .....		.87
	30. " Expenses to Springfield on business of Home		1 40
		\$317 25	\$321 01

The foregoing account was examined and approved by the Executive Committee, February 1, 1871.

1871.	Balance due the Superintendent at the above date was found to be		\$3 76
Feb.	2. By paid expenses to Columbus to meet Board of Man- agers, railroad fare		3 40
	2. By paid Hotel bill		3 00
	3. " Postage stamps		8 00
	3. " Music teacher dram corps		6 00
	6. " Telegram .....		.50
	7. " B. F. Muxy, 7½ lbs. butter		1 90
	8. By paid Isaac Study, for hauling saw-dust		5 25
	9. " Express bill (butter)		2 80
	10. " Wm. Kyle, for load of straw		3 00
	11. " Louisa Moore, 8 days' ironing		6 00
	11. " J. H. Manor, butter and eggs (see bill)		14 45
	11. " Mrs. Gowdy, " "		10 30
	14. " Postage .....		.25
	14. By estimate	\$500 00	
	14. By paid for postage stamps		1 00
	14. " For twine .....		.20
	15. " For load of straw		3 00
	16. " Express charges on Reports		2 50
	22. " Mrs. Drenbach, expenses of bringing Sarah Jane Cowell from Wooster to the Home		3 80
	24. " D. Fifer, for horse-shoeing		3 25
	25. " J. H. Manor, for butter		5 55
	25. " J. W. Dunn, for corn meal		1 85
	28. " Express charges on butter		1 20
	28. " Express bill		1 10
March	2. " For 500 stamped envelopes		16 70
	3. " J. H. Manor, for butter		7 18
	4. " S. Clark, for hauling water		6 25
	4. " For postage stamps		3 00
	9. " For postage stamps		3 00
	10. " B. F. Muxy, for butter and eggs		5 00
	11. " Mrs. Gowdy, " "		3 30
	11. " E. E. Lyon, for butter (see bill)		96 65
	11. " Freight bill .....		.85
	12. " George Bird, for cutting wood		3 00
	12. " Joseph Bray, for two days' labor		3 00
	13. " David Sidenstick, for 3 nights as night-watch		3 00

1871.		Dr.	Cr.
Mar.	15.	By paid George Bowers, expenses home, to Steubenville, he being honorably discharged.....	\$5 00
	15.	" Benton Crozier, expenses home.....	50
	15.	" For a telegram.....	27
	17.	" For a telegram.....	1 45
	18.	" Huldah Young, 15 days' ironing.....	11 25
	18.	" John Manor, for butter.....	5 22
	20.	" For a looking-glass.....	75
	23.	" For shoeing horse.....	1 50
	23.	" Freight on grape roots and blackberries.....	80
	23.	" Hicks & McCann, for oysters.....	1 50
	24.	" Thomas Myers, expenses home.....	4 00
	24.	" Ferguson Bill, for drayage.....	2 50
	24.	" John Roberts, for 1800 lbs. hay.....	10 80
	24.	" J. H. Manor, for butter and buttermilk.....	10 35
	28.	" Mrs. Studivant, for washing.....	2 60
	30.	" Expenses to Columbus, on business of the Home.....	3 00
	30.	" For 3340 lbs. hay, at \$15 per ton.....	25 05
	31.	" Samuel Clark, for 2½ days' work with horse and cart.....	6 25
	31.	" Express bill, for strawberry plants.....	1 10
April	1.	" Postage and box rent.....	2 16
	1.	" John A. Evans, for plastering.....	2 00
	3.	" Pat. Graham, for load of straw.....	3 50
	3.	" Express bill on butter.....	6 70
	3.	" Expenses to Columbus, on business of Home.....	2 00
	3.	" For garden line.....	40
	4.	" For parsnips.....	30
	6.	" For postage stamps.....	3 00
	7.	" B. V. Lucas, for gate and blackberry roots.....	8 50
& 9.	"	Expenses to Cincinnati, to purchase goods for Home.....	5 25
	"	For indelible ink.....	75
	10.	" Freight bill.....	1 50
	10.	" For 200 lbs. fresh fish.....	5 00
	11.	" For postage stamps.....	3 00
	11.	" For Cincinnati Gazette.....	2 50
	11.	" George Burrin, making 317 fence posts.....	15 80
	13.	" Expenses to Springfield, to meet Ex. Com.....	1 25
	13.	" Woman for making 4 bbls. soap.....	2 50
	14.	" Freight on box.....	25
	14.	" For postage stamps.....	36
	14.	" Mrs. Gowdy, 46 doz. eggs, at 12½c.....	5 75
	14.	" For butter and eggs.....	12 92
	21.	" Mrs. Burton, making clothing.....	8 85
	21.	" George G. Washburn, advertisement.....	3 25
	22.	" James W. Andrews, 3½ days' work.....	3 50
	22.	" Harrison Strong, 9½ ".....	9 50
	25.	" Mrs. M. C. Burton, making clothing.....	3 50
	27.	" Expenses of self and Matron to Cincinnati, to purchase goods for Home:	
		Matron's R. R. fare both ways.....	4 60
		Hotel bill.....	8 00
	"	For fluting machine.....	7 00
May	2.	" For postage stamps.....	3 00
	"	Expenses of Sarah Bowers, a sick orphan girl, home, to Steubenville.....	5 00
	4.	" For postage stamps.....	3 00
	6.	" For mending harness.....	10
	"	For lime.....	40
	9.	" Mrs. Burton, making clothing.....	4 20
	10.	" For plastering.....	1 00
	10.	" Expense of Mr. Munn, of the N. S. Home, bringing 150 pots bedding plants.....	5 00
	12.	" Mrs. Manor, 40 lbs. butter, at 35c.....	14 00
	12.	" Same, 11 lbs. " " 25c.....	2 75
	12.	" Mrs. Emma Goudy, butter and eggs.....	8 00

Soldiers' and Sailors' Orphans' Home.

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1871.			DR.	CR.
May	12.	By paid Betty Moore, 4½ days' house cleaning		\$4 50
	12.	" Frances McGlothen, 4½ days' "		4 50
	12.	" Eliza Buse, 8½ days' house cleaning		8 50
	12.	" Anna Easter, 4½ "		4 50
	12.	" A. C. Johnson, 3½ days' whitewashing		7 00
	12.	" Robert Wright, 5 days' whitewashing		10 00
	15.	" For filing and setting saw		25
	15.	" Louisa Moon, 4½ days house cleaning.		4 50
The foregoing account was examined and approved by the Executive Committee May 17, 1871, and the sum of sixty dollars and sixty-seven cents was found due the Superintendent.				
		By amount due Superintendent		60 67
		To estimate for expenses	\$500 00	
	18.	By paid Mrs. Burton for making shirts		2 50
	18.	" Hotel bill at Xenia		50
	18.	" Blacksmith		25
	19.	" Mrs. Manor, 21 lbs. butter, at 25c		5 25
	19.	" Mrs. Gowdy, 21 galls. vinegar, at 22c		9 24
	19.	" " butter and eggs		3 75
	19.	" Fanny Bryant, 1 week in laundry		3 75
	20.	" Rufus Harris, 2½ days' building fence		3 37
	20.	" Harrison Helvey, 2½ days' building fence		3 38
	20.	" For clothes line and twine		1 20
	20.	" For postage stamps		2 50
	22.	" Expenses of Miss Worcester and self to Cincinnati to purchase goods for Home		8 00
	24.	" Mr. Bennett, for 6 scrubbing brushes at 60c		3 60
	24.	" Gate fees		20
	24.	" Drayage		50
	26.	" W. Brown, civil engineering and platting grounds		15 00
	26.	" A. Brown, sinking well		16 00
	26.	" Mrs. Manor, for butter		2 70
	26.	" Mrs. Gowdy, for butter and eggs		3 60
	26.	" Amanda Wright, 10 days' house cleaning		10 00
	26.	" Frances McGlothen, 5 days' house cleaning		5 00
	26.	" Eliza Buse, 5 days' house cleaning		5 00
	27.	" A. Dyson, 2½ days' painting		5 50
	29.	" Freight bill		1 04
	29.	" For drum belt		25
	29.	" Horse shoeing		2 10
	29.	" Looking glass		40
	29.	" Cherries		2 40
	31.	" Vaccine virus		4 50
	31.	" Mrs. Eliza Bryant, making children's clothing		18 60
June	1.	" Express bills		12 40
	1.	" For looking glass		40
	2.	" Mrs. Manor, butter and eggs		4 75
	2.	" Mrs. Gowdy, butter		3 40
	3.	" For yeast		25
	5.	" Wm. Brown, civil engineering and platting grounds		25 40
	5.	" Washington Galloway, surveying and platting		15 00
	5.	" J. Cline, chain carrier		8 00
	5.	" Lemuel Cline, axman		7 00
	5.	" For postage stamps		3 00
	5.	" Nancy Jones, 1 week's work		3 00
	6.	" For cherries		50
	7.	" For repairing lock		20
	9.	" Mrs. Burton, making shirts		3 00
	9.	" Mrs. S. M. Jones, washing clothing		5 95
	9.	" Express on statutes		25
	9.	" William Kyle, for load of straw		3 00
	9.	" E. Bonner, 2,300 lbs hay		16 00
	10.	" Lucinda Lewis, 1 day's ironing		75
	13.	" For horse shoeing		45
	15.	" M. W. Gage, load of hay		12 95
	16.	" Mrs. Burton, making shirts		4 00

1871.		Dr.	Cr.
June	16. By paid For cherries		\$1 00
	17. " Mrs. Margaret Randall, making 1 doz shirts.....		4 50
	19. " S. Underwood, Veterinary Surgeon, attendance on horse.....		4 50
	22. " Fare Logan children home.....		1 50
	22. " Mrs. Buehler, making children's clothing.....		5 00
	22. " Mrs. Manor, butter and eggs.....		12 24
	22. " Mrs. Gowdy, butter and eggs.....		8 44
	22. " Mrs. Burton, making shirts.....		3 00
	22. " For telegram.....		45
	24. " R. R. fare Christine children to Urbana.....		1 48
	24. " Crosby Brant, R. R. fare home.....		25
	24. " R. R. fare 3 Nusson girls to Tiffin.....		5 00
	24. " For postage stamps.....		3 00
	26. " J. Shellabarger, expenses home.....		75
	27. " R. R. fare Willie Howard.....		45
	27. " Eliza Ward, wash-woman 1 day.....		75
	28. " For 1 bushel new potatoes.....		1 50
	28. " Wash-woman 1 day.....		75
	28. " Telegram to Cleveland Ticket Agent.....		94
	29. " Hannah and John Mayo, expenses home.....		5 00
	29. " Three Pike children, expenses home.....		1 50
	29. " Three Crosby boys, expenses home.....		1 50
	29. " Ethan Fullington, expenses home.....		75
	29. " Willie and Lizzie Stiver, expenses home.....		3 00
	29. " W. and M. Waggoner, expenses home.....		2 00
	29. " Gungie children, expenses home.....		1 00
	29. " Frank and Minnie Dunham, expenses home.....		1 00
	30. " Della McCracken, expenses home.....		1 00
	30. " Mattie Cowell, expenses home.....		50
	30. " Burnett children, expenses home.....		75
	30. " Expenses of self to Columbus.....		40
	30. " Mrs. Gest, making children's clothing.....		12 75
July	1. " Fare Hanson children home.....		45
	1. " Fare Lewis Braley home.....		25
	1. " Fare Alice Iliff to Portsmouth.....		3 00
	1. " Fare Hollis children to Portsmouth.....		6 00
	1. " Mary Filson, butter and eggs.....		5 55
	1. " Mrs. Bryant, making clothing.....		4 60
	3. " Mrs. Harvey, for making clothing.....		13 25
	3. " Rent P. O. drawer.....		2 11
	3. " Telegram.....		80
	4. " Three Call children, fare home to Portsmouth..		6 00
	4. " For horse shoeing.....		1 15
	4. " R. R. fare, Gruble children, and Eugene Cald- well, to Fremont.....		10 00
	4. " Bridget Gilroy, house cleaning.....		1 20
	5. " Charles and James Smith, R. R. fare home.....		6 00
	6. " Charles Frankensburgh, fare to Spingfield.....		25
	To estimate for expenses.....	500 00	.....
	6. By paid for blackberries.....		40
	6. " For apples.....		1 25
	6. " For 10 dozen eggs.....		1 25
	7. " Mrs. Manor, butter and eggs.....		6 75
	7. " Mrs. Gowdy, ".....		8 00
	7. " Leana Underwood, ironing 5 days.....		3 75
	7. " Emma Juck, making clothing.....		1 50
	8. " Frank Amix, R. R. fare home.....		75
	10. " For 2 bushels apples.....		1 50
	10. " Lotta Washington, ironing 11 days.....		6 82
	11. " For postage stamps.....		25
	12. " Vegetables, fruit, etc.....		2 50
	13. " For postage stamps.....		25
	15. " Mrs. Burton, sewing.....		30
	15. " For apples.....		75
	15. " Miss Mollie Andrews, sewing.....		1 80
	15. " Mrs. Gowdy, butter and eggs.....		4 02

Soldiers' and Sailors' Orphans' Home.

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1871.			DR.	CR.
July	15.	By paid Mrs. Manor, for butter and eggs.....		\$2 75
	17.	" For mending harness.....		40
	17.	" For postage stamps.....		75
	17.	" For apples.....		50
	19.	" ".....		1 60
	20.	" For chickens.....		2 70
	21.	" Mrs. Manor, butter and eggs.....		3 12
	21.	" H. Martin, mason work.....		5 50
	21.	" M. Stewart, $\frac{1}{2}$ day's work.....		1 00
	26.	" R. R. fare, James Beemis, coming to the Home.....		2 75
	26.	" Expenses of self and Matron in purchasing goods for the Home in Cleveland.....		-----
	26.	" Hotel bill.....		4 00
	26.	" Omnibus fare.....		1 50
	26.	" R. R. fare, Matron, Columbus to Xenia.....		1 70
	28.	" Mrs. Gowdy, butter and eggs.....		9 00
	28.	" Mrs. Mauor, ".....		3 62
	28.	" For watermelons.....		1 20
	29.	" Wm. Cunningham, cutting oats.....		8 00
	31.	" For drayage of dry-goods.....		50
	31.	" Freight dry-goods.....		3 88
	31.	" Freight and drayage hay scales.....		2 11
Aug.	1.	" H. McQuiston, recording deed to State.....		9 10
	1.	" E. Gloyd, expenses home.....		1 00
	1.	" Boy for driving stock.....		25
	2.	" R. R. pass, C. & I. Smith to return to Home.....		2 00
	2.	" For picking blackberries.....		30
	2.	" Mrs. Randall for washing clothing.....		1 25
	3.	" Charles Marrell for work.....		5 00
	4.	" Cincinnati Gazette Co., printing blanks.....		8 50
	4.	" " subscription Daily Gaz. 1 yr.....		6 00
	5.	" Jas. Harris, horse shoeing and blacksmith work.....		2 15
	5.	" Stephen Downden, cutting wood.....		13 50
	5.	" " 7 hours work binding oats.....		1 00
	5.	" Jas. H. Jacoby, threshing oats with machine.....		8 00

The foregoing account was examined and approved by the Executive Committee August 5th, 1871, and a balance of three hundred and sixty-six dollars and thirty-two cents found in hand of Superintendent.

5.	To balance in hand at date of settlement.....	\$366 32	-----
11.	By paid Mrs. Manor, 24 lbs. butter.....		6 00
11.	" Mrs. Gowdy, butter and eggs.....		6 99
12.	" For watermelons for children.....		1 25
14.	" Postage on bills.....		27
14.	" R. R. fare, children, L. S. & S. Mich. R. R.....		4 05
17.	" For a melon.....		25
18.	" Mrs. Gowdy, for butter, $8\frac{1}{2}$ lbs.....		2 13
18.	" Mrs. Manor, 11 lbs. butter.....		2 75
18.	" For patterns for boys' clothing.....		1 50
18.	" Mrs. Avery, for milk purchased in the spring.....		4 25
19.	" Fare for the Call children to the Home from Portsmouth.....		5 00
21.	" Fare for the return of the Hollis children from Portsmouth.....		3 00
21.	" Fare for the return of Alice Iliff from Portsmouth.....		2 00
21.	" For a buggy whip.....		1 00
22.	" Expenses to Springfield to purchase goods for Home.....		1 00
23.	" For fruit for children.....		30
23.	" Expenses of Sampson Mitchell home.....		75
24.	" Washerwoman.....		75
26.	" Mrs. Manor, for butter.....		3 00
26.	" For postage stamps.....		3 00
26.	" For whitewash brush.....		2 00
29.	" Expense of taking Jacob Black to Reform Farm, R. R. fare.....		3 00

1871.			Dr.	Cr.
Aug.	29.	By paid Carriage from Lancaster.....	.....	\$2 50
	31.	P., F. W. & Chicago R. R., fare of children.....	.....	7 60
	31.	Mrs. T. S. Watkins, of Toledo, expenses, in part, of her children's sickness.....	.....	10 00
Sept.	31.	Charles Marrell, 1 month.....	.....	5 00
	1.	Mrs. Manor, butter.....	.....	3 31
	1.	Mrs. Gowdy, butter and eggs.....	.....	3 12
	1.	For telegram and delivery.....	.....	90
	1.	For freight.....	.....	30
	2.	For Custer.....	.....	19
	2.	Hannah Bymem, washerwoman.....	.....	75
	2.	Mrs. Buss and daughter, 3½ days' work.....	.....	3 50
	5.	Washington Galloway, surveying building sites.....	.....	25 00
	5.	Simans for lime.....	.....	1 25
	8.	Mrs. Manor, butter.....	.....	3 81
	8.	Mrs. Gowdy, butter and eggs.....	.....	1 38
	8.	Mrs. Taylor, house keeping for 8 days.....	.....	8 00
	8.	For whitewash brush.....	.....	2 00
	8.	William Stewart, 6½ days digging stumps.....	.....	10 00
	8.	P., C. & St. Louis Railway, for transporting children.....	.....	65 25
	9.	Freight bill.....	.....	1 41
	9.	".....	.....	25
	9.	Drayage.....	.....	50
	9.	B. C. Muxy for 5 bushels plums.....	.....	12 50
	11.	C., C. & I. Railway, transporting children to Home.....	.....	42 33
	11.	For apples.....	.....	1 10
	11.	Transporting Gungle children.....	.....	1 00
	12.	500 stamped envelopes.....	.....	16 90
	12.	Express package.....	.....	35
	12.	".....	.....	60
	13.	5 bushels apples.....	.....	3 75
	13.	Horse shoeing.....	.....	1 15
	15.	Mrs. Manor, for butter.....	.....	5 04
	15.	Mrs. Gowdy, for butter and eggs.....	.....	2 60
	15.	Mrs. Harvey, for ironing.....	.....	1 25
	15.	For postage stamps.....	.....	3 00
	15.	Mary Lewis, house cleaning.....	.....	2 00
	18.	Express bill on butter.....	.....	1 60
	18.	Expenses of Hattie Lippincot to Soldiers' Home.....	.....	1 70
	18.	For sewing machine needles.....	.....	75
	18.	Miss Worcester, for use of sewing machine.....	.....	2 55
	19.	For 6 bushels of apples.....	.....	4 50
	19.	C., C. & I. Railway, transporting children to their homes.....	.....	36 72
	20.	For repairing sewing machine.....	.....	3 00
	21.	Express bill.....	.....	75
	25.	A. & G. W. Railway, transporting a child.....	.....	30
	26.	Mrs. Gowdy, butter and eggs.....	.....	3 40
	26.	Mrs. Manor, butter.....	.....	8 90
	26.	For clock for school room.....	.....	3 50
	26.	Express bill (butter).....	.....	1 70
	30.	For chicken.....	.....	25
	30.	Expenses of self to Cincinnati to purchase goods for Home.....	.....	5 00
Oct.	2.	Robert Jackson, for apples and cabbages.....	.....	9 48
	2.	Freight bill.....	.....	1 01
	3.	Postage and rent of drawer.....	.....	2 25
	3.	For postage stamps.....	.....	3 00

The foregoing account was examined and approved by the Executive Committee October 3d, 1871, and a balance of twenty-seven dollars and seventy-eight cents found due the Superintendent October 3d, 1871.

3.	To estimate for expenses.....	\$500 00	.....
3.	By balance due Superintendent on settlement.....		27 78

Soldiers' and Sailors' Orphans' Home.

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1871.			Dr.	Cr.
Oct.	4.	By paid express bill.....		\$ 75
	4.	" E. T. McClellan, for 3 bushels apples.....		2 25
	5.	" Freight bill.....		1 22
	6.	" Mrs. Manor, 16 lbs. butter, 6 doz. eggs.....		5 08
	7.	" Mrs. Ricketts, 7 days' sewing.....		5 25
	10.	" Express bill, butter.....		2 00
	10.	" Mrs. Ricketts, sewing.....		37
	10.	" For shoeing horse.....		40
	10.	" James Harris, blacksmith's bill.....		3 25
	12.	" Express bill.....		90
	12.	" P., C. & St. Louis R. R., fare of children.....		6 05
	12.	" C., C., C. & I. R. R., ".....		7 60
	12.	" For telegram.....		65
	17.	" William Cunningham, removing threshing machine.....		2 00
	17.	" For postage stamps.....		3 00
	20.	" Telegrams to Gen. Jones.....		1 15
	26.	" Express bill on cloth.....		35
	26.	" Freight and drayage on butter.....		3 17
	30.	" For delivery of telegram.....		50
To amount collected from employes for half-fare tickets..			\$12 00	.....

Balance in the hands of Superintendent November 1st,
1871, four hundred and thirty-eight dollars and twenty-
eight cents.

Names of Officers and Employees of the Home, with the amount paid to each.

	From Aug. 25 to Dec. 16,	Jan'y 1871.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Total.
L. D. Griswold.....	\$266 42	33 33	\$250 00	33 33	33 33	33 33	33 33	33 33	\$250 00	33 33	33 33	\$1,016 42
Mrs. J. H. Griswold.....	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	399 96
Abbie Brodrup.....	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	12 50
Mrs. Sallie Buchanan.....	24 17	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	305 00
Mrs. Sue A. Brockway.....	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	305 00
Mrs. Amanda Gillie.....	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	305 00
Mrs. Amanda J. Randal.....	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	305 00
Mrs. J. W. Pennington.....	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	23 00	275 00
Mrs. Della Johnston.....	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	30 00	156 32
Mrs. M. L. Loofbourrow.....	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	33 33	30 00	388 30
Mrs. M. M. Gilbert.....	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	7 00	365 30
Miss Phebe Ensign.....	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	305 00
Miss H. E. Griswold.....	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	305 00
Miss Zoe Gilbert.....	12 00	20 00	18 00	16 00	16 00	16 00	16 00	16 00	16 00	12 25	12 00	12 00
Mrs. Stewart.....	20 00	20 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	12 00	186 25
Mrs. Hughes.....	16 00	18 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	12 00	128 00
Miss Martha Dixon.....	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	14 00	146 00
Miss Wileon.....	20 00	20 00	20 00	20 00	9 33	25 00	25 00	25 00	25 00	25 00	25 00	259 33
Cook.....	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	60 00
Assist't cook.....	16 00	16 00	16 00	8 53	16 00	16 00	16 00	16 00	16 00	16 00	12 00	72 53
Sup't dining-room.....	16 00	16 00	16 00	10 40	16 26	2 40	12 00	12 00	12 00	12 00	12 00	77 06
Dining-room.....	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	144 00
Kate Kalleen.....	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	144 00
Chambermaid.....	9 20	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	9 20
House cleaner.....	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	144 00
Cassie McCabe.....	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	360 00
John R. Jackson.....	18 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	108 00
Daniel Stedenstick.....	18 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	30 00	108 00
Total.....												\$5,944 34

Names of Officers and Employes—Continued.

	1871. Nov.	Dec.	1871. Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Total.
Edward Merrick.....		\$7 00	\$30 00	\$30 00	\$50 00	\$50 00	\$50 00	\$50 00	\$50 00	\$50 00	\$50 00	\$66 66	\$483 66
Mrs. Ed. Merrick.....		5 83	25 00	25 00									55 83
Miss Hattie M. Bonner.....		17 49											17 49
Mrs. Eunice Barlow.....					25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	205 00
Dr. Leigh McClung.....								25 00	25 00	25 00	25 00	30 00	125 00
Miss Roxa Worcester.....		31 66	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	25 00	30 00	286 66
Mrs. Mary Mantz.....												18 00	18 00
Miss Clara Hudson.....		25 00	15 00	15 00	15 00	15 00	15 00	15 00					115 00
Mrs. M. W. Pennington.....										12 00	3 00	30 00	45 00
Miss Jester.....										12 00	12 00	12 00	36 00
Mrs. Lucy Solomon.....		12 00	3 00									14 50	29 50
Mrs. Mary Andrews.....					7 60	14 00	12 00	12 00	12 00	12 00	6 00	12 00	87 60
Mrs. Thankful Watkins.....												12 00	12 00
Miss Maggie Davis.....				6 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	12 00	102 00
Mrs. Pike.....		12 00											12 00
Kate Kearney.....								11 20	12 00	12 00	12 00	12 00	68 00
Sarah Cowell.....					4 00	8 00	8 00	8 00	8 00	8 00	10 00	10 00	64 00
Anna Hays.....						11 20	12 00	14 00	13 07	14 00	16 00	16 00	96 27
Nancy Sykes.....		5 33	16 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	165 33
Rhoda Brown.....		5 33	16 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	16 00	133 33
Mrs. Hynes.....		5 33											5 33
Rachel Blackburn.....			8 63										8 63
Francesa McBrier.....			15 45	16 00	17 06								48 51
Ananda Wright.....			20 25	16 00	16 00						16 00	16 00	84 25
Miss Bartley.....				16 00	16 00								32 00
Enidah Young.....					18 00	10 67	16 00	16 00	16 00				60 67
Jennie Newland.....					14 94	12 00							26 94
Fanny Bryant.....					14 94	3 71							18 65
Total.....													\$2,442 55

Names of Officers and Employes—Continued.

	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Total.
Miss Nichols.....				\$12 80									\$12 80
Anna Ferguson.....							\$12 19	\$16 00					28 19
Eliza Washington.....							16 00	16 00	\$16 00			\$32 00	80 00
Georgiana Emory.....									16 00	\$16 00	\$16 00		48 00
Charity Eubanks.....									13 88	16 00	16 00		45 88
Susan Roberts.....									16 00		16 00	16 00	48 00
Emma Roberts.....										16 00			16 00
Betsy Underwood.....												16 00	16 00
Leana Underwood.....												16 00	16 00
Mrs. Bray.....		\$5 33	\$6 93										12 26
Ananda Moore.....					\$14 94		16 00	16 00					46 94
Mrs. Bass.....		9 32											9 32
Jennie Anderson.....			8 40	12 00	\$12 00	12 00		10 00					44 40
Bridget Gilroy.....													10 00
Mary Lewis.....											6 00	14 00	20 00
John T. Watson.....											18 00	20 00	38 00
Wm. Butlin.....								20 80	26 00	26 00	13 00		85 80
J. H. Cruzen.....					12 00	11 33							23 33
Samuel R-ed.....					4 66	20 06	18 06						42 74
Rufus Harris.....												20 00	20 00
Total.....													\$653 66

I cannot close this report without expressing my obligations to you, gentlemen, for your constant and unwavering confidence and support. Without your countenance, I should have felt unable to discharge the arduous and perplexing duties of my position.

L. D. GRISWOLD,
Superintendent.

TREASURER'S REPORT.

OHIO SOLDIERS' AND SAILORS' ORPHANS' HOME,
XENIA, GREENE CO., O., Nov. 6, 1871.

To the Board of Managers :

DEAR SIRS: The following is a statement of receipts and expenditures on account of Ohio Soldiers' and Sailors' Orphans' Home :

RECEIPTS.

1870—Nov.	14.	Balance in Treasury	\$5,452 65
1871—Feb.	2.	Received of Treasurer of State.....	15,000 00
	11.	Error in Rabbitt, Steele & Co's acct	49 30
May	23.	Received of Treasurer of State.....	10,000 00
Sept.	8.	" " " "	10,000 00
			<hr/> \$40,501 95

RECAPITULATION.

Receipts.....	\$40,501 95
Expenditures.....	26,420 96
	<hr/>
	\$14,080 99

Expenditures.

To whom and on what account paid.	Vouch- er.	Amount.
NOVEMBER, 1870.		
Mrs. Christy, washing.....	97	\$ 11 50
Pelham & Harvey, coal.....	98	200 00
Mary Filson, butter.....	99	14 72
Norris & McElvaine, carpenter work.....	100	41 25
Millen, Jobe & Co., dry goods and shoes.....	101	78 14
D. B. Cline, work on road.....	102	15 00
Daniel Lewis, ".....	103	26 25
Thos. Roland, ".....	104	10 50
John Manor, ".....	105	45 50
John Ewing, milk.....	106	37 24
Anthony Kelley, work on road.....	107	9 75
Thos. Fitzgerald, ".....	108	10 50
E. C. Fleming, drugs.....	109	3 50
H. S. Mathewson, washing.....	110	64 38
Hooven & Sons, hardware.....	111	52 67
J. & J. C. Carey, groceries and provisions.....	112	32 24
Saml. Clark & Co., coal.....	113	186 41
Xenia Laundry, washing.....	114	87 80
J. & J. C. Carey, groceries and provisions.....	115	50 90
B. W. Bruell, caps and collars.....	116	80 75
David Dean, groceries and provisions.....	117	37 59
J. B. & D. J. Fleming, stoves and tinware.....	118	133 44
A. McDowell, lumber.....	119	257 61
W. & L. Arnold, groceries.....	120	166 73
Allison & Townsley, dry goods and bedding.....	121	211 46
Same.....	122	63 16
Merriek, McClure & Co., drain tile.....	123	30 00
J. G. English, brooms.....	124	22 00
James Scarf & Co., lumber.....	125	54 64
Wm. H. Sadler, bread.....	126	284 21
Charles Killeen.....	127	35 75
Jerry Kiser, sweet potatoes and eggs.....	128	14 75
Saml. Poland, garden vegetables.....	129	32 65
Dr. L. McClung, medical service.....	130	7 00
A. E. Lord, potatoes.....	131	78 25
National Military Asylum, woolen socks.....	132	67 71
Sarah E. Buckels, making clothing.....	133	41 00
F. M. Shipley, meat.....	134	223 45
A. Ferguson, drayage.....	135	11 00
Drees & Thornhill, making blackboard.....	136	19 85
R. B. Poore, potatoes.....	137	233 95
Kelso & Bro., drugs.....	138	27 65
Mrs. R. Brown, washing.....	139	49 04
Hester L. Dixon, making clothing.....	140	46 00
J. G. Rust, shoes.....	141	101 05
J. F. Trader & Co., books and stationery.....	142	103 67
Rabbitt, Steele & Co., cloth.....	143	189 22
Henry A. Anderson, straw and sand.....	144	9 25
Cooper & Hutchinson, dry and furnishing goods.....	145	373 39
H. Farrell, groceries and provisions.....	146	124 68
F. D. Torrence, carriage.....	147	200 00
Nathaniel Broadest, carpenter work.....	148	30 00
Nancy Sykes, work in Laundry.....	149	11 19
Rhoda Brown, ".....	150	11 19
Mrs. Bray, ".....	151	12 25
Mrs. Hughes, ".....	152	12 25
		\$4,397 93

Expenditures—Continued.

To whom and on what account paid.	Voucher.	Amount.
DECEMBER, 1870.		
Huldah Young, washing and ironing.....	154	\$57 75
Pelham & Harvey, brick.....	155	10 00
Same coal.....	156	69 75
Charles Killen, labor.....	157	29 25
Henry Farrell, flour and butter.....	158	85 70
Rabbitt, Steele & Co., cloth.....	159	49 33
I. S. Worden, furniture.....	160	41 65
Millen, Jobe & Co., dry goods and shoes.....	161	145 15
Miller & Thrall, books and stationery.....	162	66 01
J. F. Trader & Co., " " ".....	163	30 39
Wm. Sweney & Son, lumber.....	164	11 71
F. M. Shipley, meat.....	165	254 47
W. H. Sadler, bread.....	166	313 15
David Dean, groceries.....	167	87 33
Allen & Kelso, drugs.....	168	31 49
A. McDowell, lumber.....	169	76 01
Kidder & Heidler, oysters, fruit, etc.....	170	142 64
Richard Jennifer, mending shoes.....	171	17 15
John Ewing, milk.....	172	42 42
Merrick, McClure & Co., dry goods.....	173	61 92
Cooper & Hutchinson, " " ".....	174	10 80
Allison & Townsley ".....	175	169 87
J. & J. C. Carey, groceries and provisions.....	176	49 58
M. Wilson & Son, flour.....	177	17 25
J. B. & D. J. Fleming, hardware and tinware.....	178	133 10
Jerry Kiser, sweet potatoes.....	179	6 69
W. & L. Arnold, groceries.....	180	397 28
Mary Filson, butter.....	181	8 90
C. W. Trader, cheese.....	182	7 26
L. Arnold, oats.....	183	25 19
Cincinnati Tin and Japan Manufacturing Co., spoons and forks.....	184	13 00
JANUARY, 1871.		\$6,859 22
J. F. Trader & Co., books and stationery.....	186	\$12 69
Coleman Heaton, laying brick.....	187	13 00
Henry Farrell, butter.....	188	31 15
D. Dean, buckets, coffee, etc.....	189	37 42
Kidder & Heidler, butter and oysters.....	190	82 00
Miller & Thrall, books and stationery.....	191	11 74
Lewis & Baker, groceries.....	192	41 25
Millen, Jobe & Co., dry goods.....	193	332 35
A. M. Stark, groceries.....	194	132 61
Wm. H. Saddler, bread.....	195	242 85
Cooper & Hutchinson, dry goods.....	196	50 17
Allison & Townsley, dry goods.....	197	52 66
Jerry Kiser, labor.....	198	20 35
J. G. Rust, shoes.....	199	26 70
P. S. Lauman & Son, matting.....	200	13 16
Kelso & Bro., drugs.....	201	33 87
Nesbitt & Bro., hardware.....	202	2 59
Merrick, McClure & Co., dry goods.....	203	151 34
Hooven & Sons, hardware.....	204	21 68
J. B. & D. J. Fleming, tin and hardware.....	205	40 85
Nesbitt & Bro., hardware.....	206	8 97
Wm. & L. Arnold, groceries.....	207	17 29
Maxwell, Long & Co., soap.....	208	48 00
John Ewing, milk.....	209	43 40

Expenditures—Continued.

To whom and on what account paid.	Voucher.	Amount.
JANUARY—Continued.		
J. W. Dunn, corn meal.....	210	\$5 34
Mrs. Sturdevant, washing.....	211	6 83
Knox Washing Machine Co., washing machine.....	212	35 00
Rabbitts, Steele & Co., cloth.....	213	105 70
L. D. Griswold, estimate.....	214	500 00
L. C. Bronson, knitting machine.....	215	27 00
W. M. Cunningham, labor.....	216	10 00
Celica Gilbert, house cleaning.....	217	8 50
F. M. Shipley, meat.....	218	239 58
J. Anderson, mending shoes.....	219	22 45
Samuel Clark & Co., coal.....	220	213 30
FEBRUARY, 1871.		\$9,551 01
Millen, Connable & Co., lard and hams.....	222	\$180 55
Dubois & Oglesbee, stove.....	223	35 00
Hester L. Dixon, making clothing.....	224	31 75
Sarah E. Buckels, ".....	225	33 75
J. Shillito & Co., matting.....	226	104 98
J. B. Monroe, tables.....	227	40 00
Rabbitts, Steele & Co., cloth.....	228	71 77
Cincinnati Gazette Co., printing.....	229	16 00
J. Anderson, mending shoes.....	230	22 25
Allison & Townsley, dry goods.....	231	4 03
Merrick, McClure & Co., dry goods.....	232	10 14
Kelso & Bro., drugs.....	233	32 76
Wm. F. Trader & Co., books and stationery.....	234	36 26
Lauman & Neville, hardware.....	235	18 00
Hooven & Son ".....	236	4 25
J. B. & D. J. Fleming, tin & hardware.....	237	47 10
Cooper & Hutchinson, dry goods.....	238	79 37
Lanman & Neville, hardware.....	239	20 18
Carruthers & Johnson, groceries and provisions.....	240	184 03
D. Dean, groceries.....	241	43 79
Kidder & Heidler, groceries and provisions.....	242	49 17
W. & L. Arnold, groceries.....	243	6 50
Millen, Jobe & Co., shoes.....	244	10 05
Geo. & J. B. Monroe, sinks.....	245	22 50
Sears & Bro., pumps and repairing.....	246	7 00
G. R. & W. J. Gordon, potatoes and turnips.....	247	145 00
Jerry Kiser, cutting wood.....	248	4 75
F. M. Shipley, meat.....	249	240 85
J. & J. C. Carey, groceries and provisions.....	250	20 11
John Ewing, milk.....	251	39 20
French Bakery, bread.....	252	219 96
Pelham & Harvey, coal.....	253	136 58
Pelham & Harvey, coal.....	254	9 86
R. E. Richardson, omnibus.....	255	36 00
MARCH, 1871.		\$11,514 40
J. F. Trader & Co., books and stationery.....	260	\$34 84
Cooper & Hutchinson, dry goods.....	261	79 83
E. Lyons, butter.....	262	41 98
Kelso & Bro., drugs.....	263	38 13
Hooven & Sons, harness and hardware.....	264	42 45
John Shillito & Co., matting.....	265	170 31
Snowden & Otte, carpets.....	266	19 00

Expenditures—Continued.

To whom and on what account paid.	Voucher.	Amount.
MARCH—Continued.		
L. C. Hopkins & Co., dry goods	267	\$53 03
Nesbitt & Bro., hardware	268	14 05
French Bakery, bread	269	281 74
John Ewing, milk	270	21 70
Carruthers & Johnson, groceries	271	89 07
W. & L. Arnold groceries	272	190 11
Mrs. M. A. Heaton, millinery	274	15 75
Millen, Jobe & Co., dry goods	275	40 84
M. Wilson & Son, flour	279	30 75
David Dean, groceries	280	19 38
A. Thirkield, dry goods	281	47 65
Shipley & Bro., meat	282	248 21
John A. Griffiths & Co., buttons	283	15 00
J. Anderson, repairing shoes	284	6 00
Jerry Kiser, labor	285	12 63
J. G. English, brooms	286	29 16
Lewis Buster, plowing	287	27 00
M. Wilson, flour	288	25 60
APRIL, 1871.		\$13,045 61
Harrison Hilory, building fence	291	19 87
Rufus Harris " "	292	18 75
J. Shillito & Co., dry goods	293	93 89
Kelso & Bro., drugs	294	24 98
J. G. Rust, mending shoes	295	24 15
L. Arnold, oats	296	14 01
Lewis & Baker, butter	297	25 20
A. M. Stark, groceries	298	84 44
J. B. & D. J. Fleming, hardware	299	31 01
J. T. Wilson, evergreens and shrubs	300	20 90
E. A. Lord, grape roots, etc.	301	32 00
Kidder & Heidler, vegetables	302	17 90
Carruthers & Johnson, groceries	303	5 08
A. McDowell, lumber	304	165 79
Millen, Connable, & Co., provisions	305	50 59
David Dean, groceries	306	115 66
A. Thirkield & Son, dry goods	307	19 95
E. Lyons, butter	308	107 06
French Bakery, bread	309	256 66
Rabbitts, Steele & Co., cloth	310	75 60
Shipley & Bro., meat	311	256 59
Miller & Thrall, boots, &c.	314	34 62
Samuel Newton, books, &c.	315	6 20
Kohn, Adler & Co., girl's hats	316	34 88
Dr. L. McClung, medical services	317	6 01
Jerry Kiser, labor	318	6 50
B. V. Lucas, gates	320	16 70
Wm. Tannehill, blacksmithing	321	5 25
Wilson & Co., tile	322	3 18
Millen, Jobe & Co., dry goods	323	13 35
Merrick, McClure & Co., dry goods	324	138 46
W. & L. Arnold, groceries	325	32 59
Allison & Townsley, dry goods	326	25 96
Quinn & Andrew, fence posts	327	7 50
Samuel Clark, coal	328	28 50
M. Berry & Bro., sash	329	12 00

Expenditures—Continued.

To whom and on what account paid.	Voucher.	Amount.
APRIL—Continued.		
Mrs. B. G. Conwell, sewing.....	330	\$4 00
J. Anderson, mending shoes.....	331	8 50
L. D. Griswold, estimate.....	332	500 00
MAY, 1871.		\$15,389 89
Shipley & Bro., meat.....	334	218 36
Wm. H. Sadler, bread.....	335	274 67
J. & J. C. Carey, groceries.....	336	3 10
Gazette Co., printing.....	337	14 90
Samuel Clark & Co., coal.....	338	32 62
Millen, Jobe & Co., dry goods.....	340	131 11
A. McDowell, lumber.....	341	97 74
Kelso & Bro., drugs.....	345	37 98
J. & L. Seasongood & Co., boys' clothing.....	348	683 60
Maxwell, Long & Co., soap.....	349	36 00
John Addler & Co., clothing.....	350	82 23
W. F. Trader & Co., books and stationery.....	352	42 37
Torch Light Co., printing.....	353	24 50
JUNE, 1871.		\$17,069 07
Nesbitts & Bro., hardware.....	355	\$31 72
J. H. Green, vegetables.....	356	3 22
Kedder Weidler, fruit and vegetables.....	357	16 13
Samuel Newton, stationery.....	358	5 75
Curruthers & Johnson, groceries.....	359	7 95
David Dean, butter.....	360	9 54
Millen, Connable & Co., hams.....	361	143 79
Shipley & Bro., meat.....	362	167 25
Millen, Jobe & Co., dry goods.....	363	158 31
J. E. Hannon, dry goods.....	364	92 94
W. Tannehill, blacksmithing.....	365	6 35
Merrick, McClure & Co., dry goods.....	366	67 03
J. & J. C. Carey, groceries.....	367	150 49
R. E. Richardson, omnibus.....	368	30 55
" " ".....	369	34 00
S. Mawer, rep. sewing machine.....	370	14 65
Shillitto & Co., dry goods.....	371	115 50
Merrick, McClure & Co., dry goods.....	372	57 78
Samuel Newton, stationery.....	373	12 70
W. H. Sadler, bread.....	374	284 12
Allison & Townsley, dry goods.....	375	25 75
Curruthers & Johnson, groceries.....	376	195 78
Kelso & Bro., drugs.....	377	14 15
A. M. Starks, groceries.....	378	261 15
David Dean, groceries.....	379	26 49
Dr. L. McClung, medical services.....	380	2 00
Cooper & Hutchinson, dry goods.....	381	7 98
Sarah E. Buckels, making clothing.....	382	46 82
J. B. & J. D. Fleming, hardware.....	383	21 15
" " ".....	384	66 75
Henry Smith, vegetables.....	385	24 55
A. M. Starks, groceries.....	386	208 93
L. D. Griswold, estimate.....	387	500 00
Allison & Townsley, dry goods.....	388	78 10
Treasurer, R. R. Fare.....	389	19 70
		\$19,978 08

Expenditures—Continued.

To whom and on what account paid.	Voucher.	Amount.
JULY, 1871.		
Lewis & Baker, groceries	390	\$31 95
A. McDowell & Co., lumber	391	39 62
Wm. H. Sadler, bread	392	90 86
A. Thirkield & Son dry goods	393	4 50
Shipley and Bro. meat	394	85 91
A. M. Starks, groceries	395	17 33
Dreece, Knight & Thornhill, lumber	396	69 19
Wm. & L. Arnold, groceries	397	26 56
Allison & Townsley, dry goods	398	18 52
Quinn & Andrews, lumber	399	75 53
Millen, Jobe & Co., dry goods	400	14 76
Samuel Clark & Co., coal	401	93 30
Samuel Sears, lightning rods	402	74 00
Kelso & Bro., drugs	403	10 00
R. E. Richardson, omnibus and carriage	404	19 75
Morgan & Roots, dry goods	405	426 40
S. H. Yman & Co., dry goods	406	17 85
Fairbanks, Moose & Co., hay scales	407	100 00
Mrs. Buckles, making clothing	408	12 25
Mrs. Hughes, making clothing	409	17 12
Frank Brinson, labor	410	5 75
AUGUST, 1871.		\$21,229 17
E. C. Fleming, drugs and medicines	412	12 23
Kidder & Hudler, fruits	413	7 65
A. M. Starks, groceries	414	25 76
Samuel Clark & Co., coal	415	147 45
Allison & Townsley, dry goods	416	7 70
W. & L. Arnold, groceries	417	58 37
J. & J. C. Carey, groceries	418	50 95
Wm. F. Trader & Co., stationery	419	21 52
Millen, Jobe & Co., dry goods	420	9 95
Merrick, McClure & Co., dry goods	421	32 28
Cooper & Hutchinson, dry goods	422	74 81
Henry Smith, vegetables	423	5 80
Rabbetts, Steele & Co., cloth	424	205 77
J. B. & D. J. Fleming, hardware	425	36 26
Wm. H. Sadler, bread	426	94 73
Shipley & Bro., meat	427	81 95
SEPTEMBER, 1871.		\$22,102 35
Morgan, Roots & Co., dry goods	429	115 99
R. E. Richardson, omnibus	430	16 00
F. M. Shipley, meat	432	162 18
Sadler & Sweet, bread	433	273 15
Routzong & Harner, groceries	434	246 52
Nesbitt & Bro., hardware	435	21 91
J. B. & D. J. Fleming, hardware	436	45 40
Kelso & Bro., drugs	437	17 95
Routzong & Harner, turkey	438	1 35
Dubois & Burrows, garden seeds	439	16 20
E. C. Fleming, drugs	440	8 58
A. M. Starks, groceries	441	34 08
J. E. Hannon, dry goods	442	6 17
Samuel Newton, stationery	443	25 29

Expenditures—Continued.

To whom and on what account paid.	Voucher.	Amount.
SEPTEMBER—Continued.		
Kelso & Bro., drugs and medicines	444	\$19 15
J. & J. C. Carey, groceries	445	30 05
Allison & Townsley, dry goods	446	42 54
Merrick, McClure & Co., dry goods	447	35 09
W. & L. Arnold, groceries	448	21 49
David Dean, "	449	16 14
W. F. Trader & Co., boots and stationery	450	52 25
Jerry Kisor, cutting wood	451	32 79
Lewis & Baker, provisions	452	107 71
Millen, Jobe & Co., dry goods and shoes	453	183 96
Xenia Gazette Co., printing	454	20 00
Rabbett, Steele & Co., cloth	455	257 84
William Stewart, chopping wood	456	35 00
E. E. Lyons, butter	457	48 78
John, Shillito & Co., dry goods	458	122 15
L. D. Griswold, estimate	459	500 00
OCTOBER, 1871.		\$24,618 06
E. C. Fleming, drugs	461	\$3 90
Millen, Jobe & Co., shoes and dry goods	462	87 51
J. & J. C. Carey, crockery	463	56 81
A. M. Stark, groceries	464	47 70
J. B. & D. J. Fleming, hardware	465	27 57
M. D. Gatch, apples and vinegar	466	59 00
Merrick, McClure & Co., dry goods	467	161 35
Curuthers & Johnson, groceries	468	177 54
Kelso Bro., drugs	469	16 62
Quinn & Andrew	470	17 61
S. Newton, books and stationery	471	14 56
W. F. Trader & Co., books and stationery	472	18 25
Wm. Cunningham, turkeys	473	22 50
B. Fauber, sweet potatoes	474	30 13
Wm. McClelland, apples	475	31 45
Robert Jackson, "	476	85 00
Anderson & Davis, moving fence	477	16 45
Shearer & Sweigh, coffin, H. C. Smith	478	37 00
W. & L. Arnold, groceries	479	22 10
N. Nesbitt, apples and cabbage	480	97 25
F. M. Shipley, beef	481	190 55
W. M. Sadler, bread	482	293 66
W. & L. Arnold, butter and soap	483	60 60
W. Tannehill, blacksmith	484	13 40
E. E. Lyons, butter	485	188 01
E. Bonner, potatoes	486	26 38
		\$26,420 96

RECEIPTS.

FOR TEACHERS AND EMPLOYEES' SALARY.

1870—Nov. —.	Balance on hand.....	\$463 06
1871—Feb. 2.	Received from Treasurer of State.....	3,200 00
May 23.	“ “ “	3,000 00
Sept. 8.	“ “ “	4,000 00
		<u>\$10,663 06</u>

RECAPITULATION.

Receipts.....	\$10,663 06
Expenditures.....	9,120 55
	<u>\$1,542 51</u>

Expenditures—Pay-Roll.

Date.	To whom and on what account paid.	Voucher.	Amount.
1870.			
Nov.	L. D. Griswold, Superintendent	96	\$266 42
	Mrs. J. H. Griswold, Matron		33 33
	Mrs. Abby Broadrup, Superintendent Clothing-room.....		12 50
	“ Sally Buchanan, Dormitory Manager		25 00
	“ Sally Brockway, “		24 17
	“ Amanda Gilles, Cottage Manager		25 00
	“ Amanda J. Randall, “		25 00
	Jane A. Pennington, “		25 00
	Della Johnson, Principal of School		33 33
	Mary L. Loofborrow, Teacher		33 33
	M. M. Gilbert, “		33 33
	Miss Phoebe Ensign, “		25 00
	Miss Hattie E. Griswold, “		25 00
	Miss Zoe Gilbert, “		12 00
	Mrs. Stewart, Superintendent Sewing-room		20 00
	Mrs. Hughes, Seamstress		16 00
	Miss Martha Dixon, Seamstress		12 00
	Mrs. Wilson, Cook		20 00
	Mary McDade, Assistant Cook		12 00
	Caroline Schupp, Superintendent Dining-room.....		16 00
	Jane Caleen, Dining-room		12 00
	Kate Caleen, “		12 00
	Maggie Stevenson, Chambermaid		9 20
	Cassie McCabe, House Cleaner		12 00
	John R. Jackson, Carpenter		30 00
	David Lidenstick, Night-watch		18 00
Dec.	Mrs. J. H. Griswold, Matron	155	33 33
	Mr. Merrick, Clerk		7 00
	Mrs. Merrick, Superintendent Clothing-room.....		5 83
	“ Rhoda Worcester, Housekeeper		31 66
	“ Sally Buchanan, Dormitory Matron		25 00
	“ S. A. Brockway, “		25 00
	“ Amanda Gilles, Cottage Matron		25 00
	“ A. J. Randall, “		25 00
	“ Jane Pennington, “		25 06
	“ Della Johnson, Principal of School		33 33
	“ M. M. Gilbert, Teacher		33 33
	Miss Mary Loofborrow, “		33 33
	“ Phoebe Ensign, “		25 00
	“ H. E. Griswold, “		25 09
	“ H. E. Bonner, Assistant Cottage Manager.....		17 40
	Mrs. Archel Pike, Nurse		12 00

Expenditures—Pay-Roll—Continued.

Date.	To whom and on what account paid.	Voucher.	Amount.
1870.			
Dec. ...	Mrs. Lucy Solomon, Seamstress	155	\$12 00
	" Stewart, Superintendent Sewing-room		20 00
	" Hughes, Seamstress		16 00
	Miss Martha Dixon, Seamstress		12 00
	Mrs. Wilson, Cook		20 00
	" Mary McDade, Assistant Cook		12 00
	" Caroline Shupp, Superintendent Dining-room		16 00
	" Jane Kalleen, Dining-room		12 00
	" Kate Kalleen, "		12 00
	Miss Cassie McCabe, House Cleaner		12 00
	" Bass, "		9 32
	" Nancy Sykes, Laundry		5 33
	" Rhoda Brown, "		5 33
	" Bray, "		5 33
	" Hayes, "		5 33
	John R. Jackson, Carpenter		30 00
	David Lidenstick, Night-watch		30 00
	Miss Clara Hudson, Teacher		25 00
1871.			
Jan.	Mrs. J. H. Griswold, Matron	185	33 33
	Edward Merrick, Clerk		30 00
	Mrs. Sarah Merrick, Supt. Clothing-room		25 00
	" S. A. Brockway, Dormitory Matron		25 00
	" S. Buchanan "		25 00
	" Amanda Gilles, Cottage Matron		25 00
	" A. J. Randall " "		25 00
	" J. W. Pennington " "		25 00
	" R. Worrester, Housekeeper		25 00
	" Della Johnson, Principal School		33 33
	" M. M. Gilbert, Teacher		33 33
	Miss Mary Loofbourrow, Teacher		33 33
	" Phoebe Ensign "		25 00
	" Hattie Griswold "		25 00
	" Clara Hudson, Asst. "		15 00
	Mrs. Stewart, Supt. Sewing-room		20 00
	" Hughes, Seamstress		16 00
	" Martha Dixon, Seamstress		12 00
	Miss Lucy Solomon "		3 00
	" Wilson, Cook		20 00
	Mary McDade, Asst. Cook		12 00
	Caroline Shupp, Supt. Dining-room		16 00
	Jane Killeen, Dining-room		12 00
	Kate Killeen "		12 00
	Carrie McCabe, House-cleaner		12 00
	Jennie Anderson "		8 40
	Miss Bray, Laundry		6 93
	Rachel Blackburn, Laundry		8 53
	Frances McBrian "		15 45
	Amanda Wright "		20 25
	Rhoda Brown "		16 00
	Nannie Sykes "		16 00
	John R. Jackson, Carpenter		30 00
	Daniel Sidenstick, Night-watch		30 00
Feb.	L. D. Griswold, Superintendent	221	250 00
	Mrs. J. H. Griswold, Matron		33 33
	Edward Merrick, Clerk		30 00
	Mrs. Merrick, Matron Girls' Dormitory		25 00
	" Della Johnson, Principal School		33 33
	" S. A. Brockway, Matron Girls' Dormitory		25 00
	" S. Buchanan " Boys' "		25 00

Expenditures—Pay-Roll—Continued.

Date.	To whom and on what account paid.	Voucher.	Amount.
1871.			
Feb. ...	Mrs. Amanda Gillis, Matron Cottage No. 1.....	221	\$25 00
	“ A. J. Randall “ “ No. 2.....		25 00
	“ J. W. Pennington “ “ No. 3.....		25 00
	“ Roxie Worcester, Housekeeper.....		25 00
	“ M. M. Gilbert, Teacher.....		33 33
	Miss Mary L. Loofbourrow, Teacher.....		33 33
	“ Phoebe Ensign, Teacher.....		25 00
	“ Hattie Griswold “.....		25 00
	“ Clara Hudson, Asst. Teacher.....		15 00
	“ Maggie Davis, Knitter.....		6 00
	Mrs. Stewart, Supt. Sewing-room.....		18 00
	“ Hughes, Seamstress.....		16 00
	Martha Dixon “.....		12 00
	Miss Nichols “.....		12 80
	Caroline Schupp, Supt. Dining-room.....		16 00
	Jane Killeen, Dining-room.....		12 00
	Kate Killeen “.....		12 00
	Miss Wilson, Cook.....		20 00
	Mary McDade, Asst. Cook.....		12 00
	Cassie McCabe, House-cleaner.....		12 00
	Jennie Anderson “.....		12 00
	Rhoda Brown, Laundry.....		16 00
	Nancy Sykes “.....		16 00
	Mrs. McBrier “.....		16 00
	“ Amanda Wright, Laundry.....		16 00
	“ Bray, Laundry.....		16 00
	Daniel Sidenstick, Night-watch.....		30 00
	John R. Jackson, Carpenter.....		30 60
March..	Mrs. J. H. Griswold, Matron.....	256	33 33
	Edward Merrick, Clerk and Principal School.....		50 00
	Mrs. M. M. Gilbert, Teacher.....		33 33
	Miss M. Loofbourrow, “.....		33 33
	“ Phebe Ensign, “.....		25 00
	“ H. E. Griswold, “.....		25 00
	“ Clara Hudson, Asst. Teacher.....		15 00
	Mrs. Sally Buchanan, Boys' Dormitory.....		25 00
	Miss Roxa. Worcester, Girls' “.....		25 00
	Amanda Gillis, Cottage Manager.....		25 00
	Amanda J. Randall, “.....		25 00
	Jane W. Pennington, “.....		25 00
	Maggie Davis, Knitter and Seamstress.....		12 00
	Mrs. Stewart, Cutter and “.....		16 00
	Mrs. Hughes, Seamstress.....		16 00
	Miss Martha Dixon, “.....		12 00
	Mollie Andrew, “.....		7 60
	Carrie Schupp, Supt. Dining Room.....		8 53
	Jane Killeen, “.....		10 40
	Kate Killeen, “.....		12 00
	Jennie Anderson, House Cleaner.....		12 00
	Mrs. Eunice Barlow, House Keeper.....		25 00
	Mrs. Wilson, Cook.....		20 00
	Mary McDade, Asst. Cook.....		12 00
	Cassie McCabe, House Cleaner.....		12 00
	Sarah Cowell, Dining Room.....		4 00
	Rhoda Brown, Laundry.....		16 00
	Nancy Syker, “.....		16 00
	Mrs. McBrier, “.....		17 06
	Mrs. Amanda Wright, “.....		16 00
	Mrs. Bartley, “.....		16 00
	J. H. Crazer, Farmer.....		12 00
	John R. Jackson, Farmer and Carpenter.....		30 00

Soldiers' and Sailors' Orphans' Home.

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Expenditures—Pay-Roll—Continued.

Date.	To whom and on what account paid.	Voucher.	Amount.
1871.			
April ..	Mrs. J. H. Griswold, Matron	290	\$33 33
	Edward Merrick, Clerk and Principal School		50 00
	Mrs. Eunice Barlow, House Keeper		25 00
	" M. M. Gilbert, Teacher		33 33
	Miss M. L. Loofbourrow, "		33 33
	" Phebe Ensign, "		25 00
	" H. E. Griswold, "		25 00
	" Clara Hudson, "		15 00
	Mrs. Sally Buchanan, Manager of Boys		25 00
	Miss Roxa Worcester, " Girls		25 00
	" Amanda Gillis, Cottage Manager		25 00
	" A. J. Randall, "		25 00
	" Jane W. Pennington, "		25 00
	" Maggie Davis, Knitter and Seamstress		12 00
	Mrs. Stewart, Cutter and Seamstress		16 00
	Mrs. Hughes, Seamstress		16 00
	Miss Martha Dixon, "		12 00
	" Mollie Andrew, "		14 00
	" Jane Killeen, Dining Room		16 26
	" Kate Killeen, "		12 00
	" Jennie Anderson, House Cleaner		12 00
	Mrs. Wilson, Cook		9 33
	Cassie McCabe, Dining Room		12 00
	Sarah Cowell, "		8 00
	Rhoda Brown, Laundry		16 00
	Nancy Sykes, "		16 00
	Hulda Young, "		18 00
	Jennie Anderson, "		14 94
	Fannie Bryant, "		14 94
	Amanda Morris, "		14 94
	Anna Hays, Asst. Cook		11 20
	J. H. Cruzen, Laborer		11 33
	Saml. Reid, "		4 66
	John R. Jackson, Farmer and Carpenter		30 00
May ...	L. D. Griswold, Superintendent	333	250 00
	Mrs. J. H. Griswold, Matron		33 33
	E. Merrick, Principal of Schools and Clerk		50 00
	Mrs. Eunice Barlow, Housekeeper		25 00
	Mrs. M. M. Gilbert, Teacher		33 33
	Miss M. L. Loofbourrow, Teacher		33 33
	Miss Phebe Ensign, "		25 00
	Miss H. E. Griswold, "		25 00
	Miss Clara Hudson, Asst. "		15 00
	Mrs. Sally Buchanan, Manager of Boys		25 00
	Miss Roxa Worcester, " Girls		25 00
	Mrs. Amanda Gillis, " Cottage		25 00
	Mrs. A. J. Randall, " "		25 00
	Mrs. J. W. Pennington, " "		25 00
	Miss Maggie Davis, Seamstress and Cutter		12 00
	Mrs. Stewart, " "		16 00
	Mrs. Hughes, " "		16 00
	Miss Martha Dixon, "		12 00
	Miss Mollie Andrews, "		12 00
	Jane Killeen, Dining-room		2 40
	Kate Kearney, "		11 20
	Kate Killeen, "		12 00
	Mrs. Wilson, Cook		25 00
	Anna Hayes, Asst. Cook		12 00
	Carrie McCabe, Dining-room and Lamp-cleaner		12 00
	Sarah Cowell, "		8 00

Expenditures—Pay-Roll—Continued.

Date.	To whom and on what account paid.	Voucher.	Amount.
1871.			
May ...	Jennie Ninion, House-cleaner.....	333	\$12 00
	Nancy Sykes, Laundry.....		16 00
	Rhoda Brown, ".....		16 00
	Hulda Young, ".....		10 67
	Fannie Bryant, ".....		3 71
	Amanda Morris, ".....		16 00
	Anna Fergusson, ".....		12 19
	Eliza Washington, ".....		16 00
	Samuel Reed, Laborer.....		20 00
	John R. Jackson, Farmer and Carpenter.....		30 00
June ...	Mrs. J. H. Griswold, Matron.....	354	33 33
	E. Merrick, Principal of School.....		50 00
	L. McClung, Physician.....		25 00
	Mrs. E. Barlow, Housekeeper.....		25 00
	Mrs. M. M. Gilbert, Teacher.....		33 33
	Miss M. L. Loutbourn, Teacher.....		33 33
	Miss P. Ensign, ".....		25 00
	Miss H. Griswold, ".....		25 00
	Miss C. Hudson, Asst. ".....		15 00
	Mrs. S. Buchanan, Manager of Boys.....		25 00
	Miss R. Worcester, " Girls.....		25 00
	Mrs. Amanda Gillis, " Cottage.....		25 00
	Mrs. A. J. Randall, " ".....		25 00
	Mrs. J. W. Pennington, " ".....		25 00
	Miss Maggie Davis, Seamstress.....		12 00
	Mrs. Stewart, Cutter and Seamstress.....		16 00
	Miss M. Dixon, Seamstress.....		12 00
	Miss M. Anderson, ".....		12 00
	Kate Killeen, Dining-room.....		12 00
	Kate Keanon, ".....		12 00
	Sarah Cowell, ".....		8 00
	Carrie McCabe, Lamp-cleaner.....		12 00
	Bridget Maloy, House-cleaning.....		10 00
	Mrs. Wilson, Cook.....		25 00
	Anna Hayes, Asst. Cook.....		14 00
	Nancy Sykes, Laundry.....		16 00
	Rhoda Brown, ".....		16 00
	Hulda Young, ".....		16 00
	Anna Fergusson, ".....		16 00
	Amanda Moore, ".....		16 00
	Eliza Washington, ".....		16 00
	Wm. Buttin, Carpenter.....		20 00
	Samuel Reed, Laborer.....		18 08
	J. R. Jackson, Gardner.....		30 00
July ...	Mrs. J. H. Griswold, Matron.....	329	33 33
	E. Merrick, Principal of School.....		50 00
	Dr. D. McClung, Physician.....		25 00
	Mrs. E. Barlow, House Keeper.....		25 00
	Mrs. M. M. Gilbert, Teacher.....		33 33
	Mrs. M. L. Loutbourn, Teacher.....		33 33
	Mrs. P. Ensign, Teacher.....		25 00
	Mrs. H. Griswold.....		25 00
	Mrs. S. Buchanan, Manager Boys.....		25 00
	Miss R. Worcester, " Girls.....		25 00
	Mrs. Amanda Gillis, Cottage Manager.....		25 00
	Mrs. A. J. Randall, ".....		25 00
	Mrs. J. W. Pennington, ".....		25 00
	Mrs. Maggie Davis, Seamstress.....		12 00
	Mrs. Martha Dixon, ".....		12 00
	Mrs. Stewart, Cutter and Seamstress.....		16 00

Expenditures—Pay-Roll.—Continued.

Date.	To whom and on what account paid.	Voucher.	Amount.
1871			
July ...	Miss M. Anderson, Seamstress	389	\$12 00
	Kate Killeen, Dining Room		12 00
	Kate Kearney, "		8 80
	Sarah Cowell, "		8 00
	Cassie McCabe, Chambermaid		12 00
	Mrs. Wilson, Cook		25 00
	Anna Hays, Asst. Cook		13 07
	Mrs. Sykes, Laundress		16 00
	Hulda Young, "		16 00
	Susie Roberts, "		16 00
	Miss V. Reed, "		16 00
	E. Washington		16 00
	Charity Eubanks		13 88
	William Bullin, Carpenter		26 00
	J. R. Jackson, Gardener		30 00
Aug....	L. D. Griswold, Supt.	411	250 00
	Mrs. J. H. Griswold, Matron		33 33
	Edward Merrick, Principal of School		50 00
	Dr. L. McClung, Physician		25 00
	Mrs. E. Barlow, House Keeper		25 00
	Mrs. M. M. Gilbert, Teacher		33 33
	Miss M. L. Looftbourrow, Teacher		33 33
	Miss P. Ensign, Teacher		25 00
	Miss M. E. Griswold, Teacher		25 00
	Mrs. S. Buchanan, Manager Boys		25 00
	Miss R. Worcester, " Girls		25 00
	Mrs. Amanda Gillis, " Cottages		25 00
	Mrs. A. J. Randall, "		25 00
	Mrs. J. W. Penington		25 00
	Miss M. Davis, Seamstress		12 00
	Mrs. Stewart, "		16 00
	Martha Dixon, "		12 00
	Mary Andrews, "		12 00
	Mrs. Penington, "		12 00
	Mrs. Jester		12 00
	Kate Killeen, Dining Room		12 00
	Kate Kernon		12 00
	Sarah Cowell		8 00
	Cassie McCabe, House Cleaner		12 00
	Mrs. Wilson, Cook		25 00
	Amanda Hays, Asst. Cook		14 00
	Nancy Sykes, Laundress		16 00
	Susan Roberts, "		16 00
	Mrs. Enbanks, "		16 00
	Mrs. Emory, "		16 00
	Wm. Butlin, Carpenter		26 00
	J. R. Jackson, Farmer		30 00
Sept ...	Mrs. J. H. Griswold, Matron	428	33 33
	Edward Merrick, Principal of School		50 00
	Dr. L. McClung, M. D.		25 00
	Mrs. E. Barlow, house-keeper		25 00
	Mrs. M. M. Gilbert, teacher		25 00
	Miss L. M. Looftborrow, teacher		25 00
	Miss P. Ensign, teacher		25 00
	Miss H. E. Griswold, teacher		25 00
	Mrs. S. Buchanan, manager of boys		25 00
	Mrs. R. Worcester, " girls		25 00
	Mrs. Amanda Gillis, " Cottage		25 00
	Mrs. A. J. Randall, "		25 00
	Mrs. J. W. Penington, "		25 00
	Miss M. Davis, knitter		12 00

Expenditures—Pay-Roll.—Continued.

Date.	To whom and on what account paid.	Voucher.	Amount.
1871.			
Sept ...	Mrs. Stewart, seamstress	428	\$12 25
	M. Dixon, "		12 00
	Mrs. Hughes, "		16 00
	Mary Andrews, "		6 00
	Mrs. Penington, "		3 00
	Mrs. M. Jister, "		12 00
	Kate Killeen, dining room		12 00
	Kate Kearon, "		12 00
	S. Cowell, "		10 00
	Cassie McCabe, house cleaner		12 00
	M. Wilson, cook		25 00
	A. Hays, assistant cook		16 00
	Nancy Sykes, Laundry		16 00
	Rhoda Brown, "		16 00
	Susan Roberts, "		16 00
	Amanda Wright "		16 00
	Mrs. Enbanks, "		16 00
	Mrs. Emery, "		16 00
	Mary Lewis, house cleaner		6 00
	Wm. Butlin, carpenter		13 00
	J. R. Jackson, farmer		30 00
	J. F. Watson, night-watch		18 00
Oct ...	Mrs. J. H. Griswold, Matron	460	33 33
	Edward Merrick, Principal of School		66 66
	Dr. L. McClung, M. D.		25 00
	Mrs. E. Barlow, house-keeper		30 00
	Mrs. M. M. Gilbert, teacher		7 00
	Mrs. Della Johnson, teacher		23 00
	Miss M. L. Loofborrow, teacher		30 00
	Miss P. Ensign		30 00
	Miss H. E. Griswold		30 00
	Mrs. S. Buchanan, manager of boys		30 00
	Mary Manty, manager of boys' dormitory		18 00
	Miss Roxey Worcester, manager of girls		30 00
	Mrs. Amanda Gillis, " Cottage		30 00
	Mrs. A. J. Randall, " "		30 00
	Mrs. M. W. Penington, " "		30 00
	Miss M. Davis, knitter		12 00
	M. Dixon, seamstress		14 00
	Lucy Solomon, seamstress		14 50
	Mollie Andrew, "		12 00
	Thankful Watkins, seamstress		12 00
	M. Justin, seamstress		12 00
	Kate Kearney, dining room		12 00
	Kate Killeen, "		12 00
	Sarah Cowell, "		10 00
	Cassie McCabe, chambermaid		12 00
	Mrs. Wilson, cook		25 00
	Anna Hays, assistant cook		16 00
	Nancy Sykes, laundry		16 00
	Rhoda Brown, "		16 00
	Susan Roberts, "		16 00
	Amanda Wright, "		16 00
	Eliza Washington, laundry		32 00
	Rhoda Underwood, "		16 00
	Lena Underwood, "		16 00
	Mary Lewis, house cleaner		14 00
	Rufus Harris, laborer		20 00
	John J. Watson, night-watch		20 00
	J. R. Jackson, carpenter		30 00
			\$9,120 55

LIVE STOCK.

Date.	To whom and on what account paid.	Voucher.	Amount.
1870.			
Nov. ...	Amount in Treasury		\$1,000 00
1871.			
May 23	Received from Treasurer of State		1,000 00
			<u>\$2,000 00</u>
1871.			
March...	J. O. Barnett, cow	257	\$60 00
	E. E. Andrew, "	258	60 00
	H. Matthews, horse	259	175 00
	Robinson Ledbetter, cow and hogs	273	145 00
	Geo. Watson, horse	276	180 00
	Dubois & Barrows, harness and seed	277	138 20
	H. J. Bonner, cow	278	60 00
	J. G. F. Bell, hogs	286	89 90
			<u>\$908 10</u>
April...	Jno. Ewing, cows	313	125 00
	Geo. Dugan, "	312	80 00
	H. Farrell, harrow	319	10 25
			<u>\$1,123 35</u>
May....	E. Andrew, cow and calf	342	65 00
	Joseph Humphreys, cows	343	85 00
	Harmon Ary, cow and calf	344	65 00
	G. W. Littler, cows	346	125 00
	J. H. Miller, pig	347	15 00
	Jno. Moore, cow	351	50 00
			<u>\$1,528 35</u>
Sept....	Clinton Bell, cow	431	30 00
			<u>\$1,558 35</u>

RECAPITULATION.

Receipts	\$2,000 00
Expenditures	1,558 35
Balance	<u>\$441 65</u>

THIRD ANNUAL REPORT

OF THE

TRUSTEES AND SUPERINTENDENT

OF THE

S T A T E

Reform and Industrial School for Girls

TO THE

GOVERNOR OF THE STATE OF OHIO,

FOR THE YEAR 1871.

OFFICERS OF THE INSTITUTION.

TRUSTEES,

F. MERRICK, *President.*
A. THOMSON, *Secretary.*
C. WAGGONER,
W. M. GARVEY,
M. F. COWDERY.

SUPERINTENDENT,

DR. JOHN NICHOLS.

MATRON,

MRS. MARY E. NICHOLS.

TEACHERS,

MISS CARRIE YEEND,
MISS MARY HUMPHERYS,
MISS E. E. TIFFANY,
MISS ANNA J. LEWIS,
MRS. JULIA S. FULLER,
MISS LIZZIE E. GILBERT.

REPORT OF TRUSTEES.

To His Excellency RUTHERFORD B. HAYES,

Governor of the State of Ohio :

SIR: The Trustees of the State Reform and Industrial School for Girls, have the honor to present this, their third annual report, of the condition of the Institution under their charge.

The general workings of the Institution, during the past year, has been highly satisfactory. Under the able management of the Superintendent and Matron, aided by an efficient corps of teachers, its affairs have been wisely and economically administered. The results are demonstrating beyond all questioning the wisdom and humane policy of its establishment. The improvement of the inmates in their habits of study and work, as well as in their deportment and character, has been, almost without exception, very marked.

It should be known that the Institution is not, as many seem to think, a place for the confinement or reclamation of profligate adults; but a refuge, or, in the true sense of the term, a *home* for the exposed and friendless of tender years, where they may be kindly cared for, trained to habits of industry, and receive such intellectual and moral culture, as to fit them for respectable positions in society. The age prescribed by law for admission to the Institution, is from seven to sixteen years; and of the one hundred now in the Institution, abandonment by parents, exposure to evil associations, vagrancy, incorrigibility or tendency to viciousness, was the ground of commitment in nearly every case.

Some improvements have been made upon the grounds and buildings during the year, but in reference to these and most other matters of interest, the report of the Superintendent, which is herewith transmitted, is so full and satisfactory, that to enter into details here is quite unnecessary.

We beg leave, however, to call your special attention, and through you, that of the Legislature, to the suggestion of the Superintendent in reference to some provision for a class of girls older than can, by the terms of the law, be admitted to the Institution. Applications for the admission of such are numerous and urgent.

Also, his suggestion in reference to a new and substantial building for the use of the school. One such building will be greatly needed before the close of another year. There are, it is true, old buildings upon the ground which can be moved and reconstructed so as, in a poor way, to answer the necessities of the Institution, as has been done the past year, but we deem it very questionable whether it is good economy for the State to expend as much as will be necessary for this upon so frail structures, and which, at the best, can be made to answer but poorly the wants of the school.

The following is the financial exhibit for the fiscal year ending November 15, 1871:

Amount in State Treasury subject our warrant at date of last report.....	\$6,250 11
Amount in hands of local treasurer at same date.....	309 22
Amount appropriated by Legislature during last session.....	19,200 00
Total.....	\$25,759 33
Amount of warrants drawn during the year on the State Treasurer, as per <i>Schedule A</i>	\$19,547 84
Leaving balance in State Treasury subject to draft.....	5,902 27
Amount drawn from State Treasurer during the year by treasurer of Board...	\$16,000 00
Balance in hands of local treasurer at date of last report.....	309 22
Total.....	16,309 22
Amount of orders drawn on local treasurer during the year, as per <i>Schedule B</i>	14,632 92
Leaving balance in hands of local treasurer.....	\$1,676 30
Total receipts.....	\$25,759 33
Total expenditures.....	18,180 76
Balance subject to our order.....	\$7,578 57
Of this amount there is in State Treasury.....	\$5,902 27
In hands of local treasurer.....	1,676 30
Total unexpended.....	\$7,578 57

For the coming year we respectfully ask the following appropriations, viz:

For one new building	\$12,000 00
For remodeling old ones.....	5,000 00
For general expenses.....	15,000 00
To pay salaries of officers and teachers.....	4,000 00

A list of the employees now in the service of the Institution is annexed

List of employes now in the service of the State Reform and Industrial School for Girls.

Name.	Occupation.	Compensation.
John Nichols	Superintendent	\$1,200 per annum.
Mary E. Nichols	Matron	400 "
E. E. Tiffany	Teacher	300 "
Carrie Yeend	"	300 "
Mary Humphreys	"	300 "
Lizzie E. Gilbert	"	300 "
Anna Lewis	"	300 "
Julia L. Fuller	Superintendent of work rooms ..	250 "
Ann Stokes	Cook	16 per month.
Marian Pennell	Laundress	16 "
George Stokes	Farmer, &c.	45 "
R. J. Howey	Teamster, &c.	45 "
Russell C. Hall	Gardener	30 " & board
Edward Glass	Night-watch, &c.	30 " "

We can not close this brief report without speaking in terms of high commendation of the fidelity and efficiency with which the Superintendent, Matron and Teachers have performed the responsible and exhausting duties of their several positions. Under their faithful supervision and labors the institution is already taking high rank among the noble charities which honor our State, and the Christian civilization from which they spring.

Assured by the experience of another year of the beneficent working of the institution, we confidently commend it to the fostering care of those upon whom is devolved the responsibility of providing for its wants.

Respectfully submitted,

F. MERRICK,
A. THOMSON,
O. WAGGONER,
W. M. GARVEY,
M. F. COWDERY.

DELAWARE, O., Dec. 1, 1871.

SCHEDULE A.

Warrants drawn on State Treasurer, from Nov. 15, 1870, to Nov. 15, 1871.

1870.			
Nov.	18.	Wm. M. Garvey, personal expenses as Trustee.....	\$29 90
	18.	A. Thomson, " " ".....	20 19
	18.	Clark Waggoner, " " ".....	29 25
	18.	H. A. Welch, Treasurer, current expenses.....	2,000 00
1871.			
Feb.	13.	H. A. Welch, Treasurer, current expenses.....	2,000 00
	13.	John Nichols, 3 mos. salary as Superintendent.....	300 00
	13.	Mary E. Nichols, " " Matron.....	100 00
	13.	Sarah P. Clark, " " Teacher.....	62 50
	13.	Carrie Yeend, " " ".....	62 50
	13.	Mary Humphreys, " " ".....	48 60
	17.	M. D. Leggett, personal expenses as Trustee.....	23 30
	17.	Wm. M. Garvey, " " ".....	12 50
	17.	Clark Waggoner, " " ".....	15 00
	17.	A. Thomson, " " ".....	15 04
	17.	Fidelia Perkins, compensation as Teacher.....	25 00
April	25.	H. A. Welch, Treasurer, current expenses.....	2,000 00
May	19.	John Nichols, 3 mos. salary as Superintendent.....	300 00
	19.	Mary E. Nichols, " " Matron.....	100 00
	19.	Carrie Yeend, " " Teacher.....	62 50
	19.	Mary Humphreys, " " ".....	62 50
	19.	Sarah P. Clark, " " ".....	62 50
	19.	Annie Fisher, compensation as temporary Teacher.....	12 50
	19.	Clark Waggoner, personal expenses as Trustee.....	30 00
	19.	M. F. Cowdery, " " ".....	28 00
	19.	Wm. M. Garvey, " " ".....	17 60
	19.	F. Merriek, " " ".....	20 05
	19.	A. Thomson, " " ".....	14 34
June	9.	H. A. Welch, Treasurer, current expenses.....	2,000 00
Aug.	9.	Same " " ".....	2,000 00
	18.	John Nichols, 3 mos. salary as Superintendent.....	300 00
	18.	Mary E. Nichols, " " Matron.....	100 00
	18.	Carrie Yeend, " " Teacher.....	62 50
	18.	Mary Humphreys, " " ".....	62 50
	18.	E. E. Tiffany, " " ".....	72 92
	18.	Wm. M. Garvey, personal expenses as Trustee.....	17 65
	18.	M. F. Cowdery, " " ".....	15 00
	18.	A. Thomson, " " ".....	14 84
Sept.	8.	Wm. M. Garvey, " " ".....	16 40
	8.	Clark Waggoner, " " ".....	15 00
	8.	M. F. Cowdery, " " ".....	15 00
	8.	F. Merriek, " " ".....	5 25
	9.	F. Merriek, purchase of pictures, as per special appropriation.....	200 00
	19.	H. A. Welch, Treasurer, current expenses.....	2,000 00
Oct.	19.	J. F. Harris & Co., organ and music stool.....	359 75
Nov.	1.	Annie Fisher, compensation as temporary Teacher.....	70 00
	1.	H. A. Welch, Treasurer, current expenses.....	2,000 00
	10.	Same " " ".....	2,000 00
	14.	John Nichols, 3 mos. salary as Superintendent.....	300 00
	14.	Mary E. Nichols, " " Matron.....	100 00
	14.	Carrie Yeend, " " Teacher.....	75 00
	14.	Mary Humphreys, " " ".....	75 00
	14.	E. E. Tiffany, " " ".....	75 00
	14.	Lizzie E. Gilbert, " " ".....	75 00
	14.	F. Merriek, personal expenses as Trustee.....	8 90
	14.	W. M. Garvey, " " ".....	23 90
	14.	A. Thomson, " " ".....	34 46
			<u>\$19,547 84</u>

SCHEDULE B.

Orders drawn on Local Treasurer, for the year ending Nov. 15, 1871.

1870.			
Nov.	18.	E. P. Arthur, laborer, 3 mos. wages.....	\$135 00
	18.	Edward Glass, watchman, ".....	105 00
	18.	Martha Taylor, house-keeper, ".....	48 00
	18.	E. M. Burwell, cook, ".....	48 00
	18.	A. Thomson, compensation as Secretary.....	50 00
Dec.	7.	H. E. Buck, coal.....	122 61
	22.	John Nichols, current expenses.....	600 00
1871.			
Jan.	28.	John Nichols, current expenses.....	1,200 00
Feb.	14.	Martha Taylor, house-keeper, 3 mos. wages.....	48 00
	14.	E. M. Burwell, cook, ".....	48 00
	14.	E. T. Arthur, laborer, " ".....	135 00
	14.	Edward Glass, watchman, " ".....	90 00
	14.	R. J. Howey, laborer.....	28 75
	14.	J. M. Nichols, fireman.....	30 00
	14.	John Nichols, Supt., current expenses.....	1,000 00
April	5.	E. T. Arthur, laborer, wages.....	41 73
	24.	John Nichols, Supt., current expenses.....	1,000 00
	28.	A. Thomson, payment bill for fruit trees and evergreens.....	58 25
May	9.	Whitlock & Johnson, school furniture.....	114 00
	20.	R. C. Hall, gardener, wages.....	48 00
	20.	J. R. Howey, 3 mos. wages.....	127 50
	20.	J. S. Fuller, supt. sewing and dining rooms, wages.....	23 60
	20.	Mary Clark, cook, wages.....	13 87
	20.	Jno. M. Nichols, book-keeper, 3 mos. wages.....	50 00
	20.	Edward Glass, watchman, ".....	90 00
	20.	Martha Taylor, house-keeper, " ".....	48 00
	20.	Geo. Stokes, general work, wages.....	75 00
	26.	Jno. Nichols, Supt., current expenses.....	1,000 00
June	23.	Same " " ".....	1,000 00
Aug.	8.	Same " " ".....	500 00
	10.	Columbus Cabinet Co., 25 sets furniture.....	405 29
	18.	Geo. M. Nichols, book-keeper, 3 mos. wages.....	50 00
	18.	Edward Glass, watchman, ".....	90 00
	18.	Martha Taylor, house-keeper, " ".....	48 00
	18.	Geo. Stokes and wife, wages.....	147 00
	18.	R. C. Hall, gardener, 3 mos. wages.....	135 00
	18.	R. J. Howey, laborer, ".....	135 00
	18.	J. S. Fuller, supt. dining and sewing rooms, 3 mos. wages.....	62 50
	18.	T. S. Hall, general work, wages.....	124 60
	18.	Jno. Nichols, Supt., current expenses.....	1,000 00
Sept.	19.	Same " " ".....	1,000 00
	29.	Clippinger & Powell, lumber.....	234 38
Oct.	18.	Jno. Nichols, Supt., current expenses.....	600 00
Nov.	1.	Same " " ".....	1,500 00
	3.	C. B. Cronkleton, stoves.....	63 70
	10.	H. J. McCullough & Co., lumber.....	1,000 00
	14.	Clippinger & Powell, ".....	161 14
			<hr/>
			\$14,632 93

During the annual meeting of the trustees in November, an exhibition was given by the school, comprising recitations, essays, music, examinations in scripture lessons, and in some of the higher branches taught in our public schools. The entertainment was exceedingly interesting, and would, in all respects, compare favorably with similar exercises in the best common schools. As a specimen of the original compositions read on the occasion, the following little poem, written by a girl fourteen years old, is given. It was written during a single "knitting hour," and while a lesson was being read to the class :

This birthday of Ohio's child,
The baby of the State,
Just two years old and doing well,
We now will celebrate.

We tender thanks to our kind friends,
For all that they have planned,
And carried out to make us all
A virtuous, happy band.

Our Matron, Teachers, nobly strive,
With an untiring zeal,
To make us noble women, too ;
For this we grateful feel.

They gave us access to the best,
The truest wisdom known,
The Bible's bright and radiant light
Upon our path is thrown.

In it we find the golden rule ;
This precept having tried,
We practice in our daily life ;
It is our safest guide.

While we endeavor to be good,
We all are useful, too,
"For Satan finds some mischief still
For idle hands to do."

We learn to labor with our hands,
The busy needle ply,
Or, while instructive books are read,
Our knitting-needles fly.

We store our minds with knowledge, while
Our earnest teachers aim
To give us education, good
As college girls can claim.

And thus we steady onward move,
Time bearing us along,
Till we, this cold November night,
Are joined in mirth and song.

The wind is blowing chill and cold,
The night is dark and drear,
But we are joined by friendship warm ;
Our hearts are full of cheer.

And when we leave for other homes,
To battle life alone,
We'll think of those, with grateful love,
Who *nobly* helped us on.

We know, though often we do wrong,
We've many an anxious friend ;
By conduct good we'll try to prove
With words, our thanks won't end.

REPORT OF THE SUPERINTENDENT

To the Trustees of the State Reform and Industrial School for Girls :

GENTLEMEN :—In accordance with time-honored custom, I herewith present my Third Annual Report.

The whole number of pupils enrolled in this Institution at the presentation of the second annual report, one year ago, was fifty. During the past year, fifty-four have been added, making the entire number received, one hundred and four, who were distributed among the different counties of the State as follows :

Ashland	2	Montgomery.....	9
Ashtabula	1	Muskingum	10
Clarke	5	Preble	2
Clinton	4	Richland	1
Coshocton	3	Sandusky	1
Cuyahoga	8	Seneca	1
Delaware	9	Shelby	1
Fairfield	3	Summit	3
Fayette	1	Trumbull.....	1
Franklin	6	Union	1
Geauga	3	Van Wert	1
Hamilton.....	5	Vinton	1
Huron	1	Warren	1
Jackson	1	Washington	2
Jefferson	1	Wayne	1
Knox	1	Williams	1
Licking	3	Wood	2
Lorain	4	Wyandot	1
Meigs	1		
Miami	2	Total.....	104

Of these there were—

Discharged by Trustees.....	3
" legal process	1
" expiration of time	1
Removed by death	1
	6

During the past year there were—

Discharged by Trustees.....	2
" legal process	1
" expiration of time	1
	4

Now in the Institution, 98.

Received during the past year of

American parentage	17
" (colored) parentage	5
German parentage	13
English " .....	..
Irish "	6
Unknown "	13
	<hr/>
	54

Of the whole number received, there were of

American parentage	47
" (colored) parentage	10
German parentage	18
English "	4
Irish "	8
Unknown "	17
	<hr/>
	104

Whole number received who had

Both parents living together	9
" " " separate	14
Half orphans—father living	15
" " mother living	34
Orphans	19
Unknown	13
	<hr/>
	104

Received the past year who had

Both parents living together	4
" " " separate	8
Half orphans—father living	8
" " mother living	14
Orphans	12
Unknown	8
	<hr/>
	54

Average age admitted 1st (fractional year)	15 years.
" " " 2d year	13 years nearly.
" " " 3d year	12 1-9 years nearly.

Of those admitted the past year—

Could read fluently	7
" " moderately well	16
" " a little	24
" " not at all	7
	<hr/>
	54

A few who had enjoyed better school privileges, could write legibly, and had acquired some knowledge of the rudiments of arithmetic.

HEALTH:

With few exceptions, and those generally of not a very grave character, we have still been favored with good health. Some cases of bilious disease, occasioned probably by the unusually dry summer and autumn, have occurred among us, with a few attacks of diseases of the throat, more or less severe, which, however, have yielded readily to treatment.

No epidemic has visited us, though the surrounding communities have not been equally favored. In all this, I trust, we do not fail to see and acknowledge the hand of our Almighty Preserver and Benefactor.

DEPORTMENT.

On reviewing the past year, and comparing our stand-point now, with that of a year ago, we cannot fail to note material progress; not equally marked in degree, but very apparent in all. Diversity in intellect, temperament, and previous associations, come in to facilitate or retard advancement; yet it is very gratifying to know that the labor—earnest, unremitting—of a year, has not been fruitless, but its results challenge the attention of all intelligent and interested observers. Nor should the more recent accessions to our numbers be overlooked, for their improved deportment is not only creditable to themselves, but very creditable to those whose immediate efforts are working so desirable results.

The awakening conviction, in many, that a bright future is opening to them, and, in consequence, a growing self-respect, aids materially in correcting the errors of the past, and stimulating to efforts for self-improvement. Underlying all, we trust that, in some, at least, conscience is asserting its authority, and personal responsibility beginning to be felt; while some, we hope, begin to feel that—

“It is not all of life to live.”

EDUCATION.

As numbers increased, the necessity for a more careful classification and grading of pupils pressed itself upon us, resulting in a division of the school into two sections, by grades, which, while it increases its real efficiency, very naturally facilitates our domestic avocations, and obviates the necessity for their interference with school duties.

Few, as will appear from the preceding table, had enjoyed but very moderate privileges for attending school, while some, even among our older girls, were wholly unable to read. Add to this, the constant accession of new pupils, often wholly undisciplined, and some of the hindrances in this part of our work will appear.

Still, progress, quite equal to reasonable expectation, has been made, as a whole, and will compare favorably with that of other girls elsewhere of corresponding age and advancement; while, in some classes, and in many individuals, it has been very satisfactory. Aside from the exercises of the school room, evidences of intellectual culture present themselves to every observer, in the greatly increased interest and intelligence with which they listen to those who address them. Instead of the weary,

listless expression so common at an earlier period, we now often see the kindling eye, and animated countenance, indicating appreciative attention. The very expression of their countenances has undergone a striking change, at all times apparent, telling of new thoughts, new feelings, and new aspirations. So marked is this change, as to impress all familiar with them.

The eradication of old ideas and notions, and an entire change in their associations, with, at the same time, an introduction into a mental and moral atmosphere entirely new, furnishing new subjects for thought and conversation, new objects of pursuit, and new aspirations, will, very naturally, tend to purify and elevate the character, and thus becomes a potent agent in reformatory works. Such has been our brief experience in this Institution.

INDUSTRIAL PURSUITS.

A just economy, as well as the necessary training of the girls for the duties of life, require that the ordinary domestic work, in all departments, should be performed by them, under the care of suitable persons, to aid, oversee, direct and instruct.

Those employed in special departments of domestic labor (and most kinds are made special), are detailed for definite periods, giving all, in turn, opportunity to become proficient and efficient in the whole sphere of housewifery.

Those not engaged as above, find ample employment in the sewing room, where, under constant supervision and instruction, they make and repair the clothing and bedding needed for their own use, and of the Institution generally.

Owing to the constant additions of new pupils to our numbers, many of them scantily clad, often requiring immediate attention, and usually, in such cases, almost wholly unskilled in the use of the needle, those who have acquired proficiency in that most useful art, do not fail to find full employment, in supplying the needs of the destitute, in addition to their own. Add to this our rule, that what is done must be well done, and it will readily appear to the initiated, at least, that the margin of time unemployed is small. It will be also remembered, that one-half the girls are in school during work hours, and those engaged in domestic work are detailed from the other half, thus diminishing, materially, the working force of the sewing room.

There have been manufactured during the past year, in the Institution, articles of clothing and bedding, 1,212, besides a large amount of repairing, of which no record has been made.

This work has been almost wholly performed by hand, in order that all may become expert in needle-work, before being taught the use of the sewing machine.

Each section composed of twenty-five pupils, spends its evenings in its own sitting room, under the care of their respective teachers, when they learn and practice the old fashioned art of knitting, in which nearly all soon become expert, and thus supply their own wants. These evenings are enlivened and rendered interesting and profitable, as a source of culture, by a book or periodical read by the teacher, or some pupil selected, interspersed with conversation and singing. Here the teacher comes in more immediate contact and conversation with her special charges, and enjoys the most favorable opportunity of instilling into their minds and hearts those lessons, designed to mould, elevate, and purify.

During the past year this branch of industry has produced 177 pairs of stockings.

The progress of our girls, in all these different departments of domestic pursuits, is very gratifying, no where more than in the sewing room, where many have learned to cut and make their own garments, as well as for those less skilled than themselves. As the future well being of our pupils is our ultimate object, and that imperatively demands that they shall be furnished with some means of respectable self-support, when we discover any special talent and inclination for any particular employment, we render them all reasonable assistance in that speciality. Some seem fitted for dress making, and are making good progress in that direction; others are learning to use the sewing machine; others again have learned to braid straw. Several have manifested inclination as well as ability to become teachers in common schools. Some are successful in the laundry, others in the kitchen; and while we do sign to be thorough in all departments, we foster and encourage these developments of inclination and fitness, seeking thus to inspire hope and awaken self-respect, elements lying at the foundation of all true progress in our work.

The following is our daily vocation, at this session—November 15.

6 o'clock	.....	Rising bell.
6½ "	.....	Breakfast.
7 "	.....	Devotions in the chapel.
7½ to 8 o'clock	.....	Domestic work.
8 to 11½ "	.....	School and Sewing.
11½ to 12 "	.....	Recreation.
12 "	.....	Dinner.
12½ to 1 "	.....	Recreation.
1 to 4½ "	.....	School and Sewing
4½ to 5 "	.....	Recreation.
5 "	.....	Supper.

5½ to 6½ o'clock	Recreation.
6½ to 7½ "	Knitting.
7½ to 8 "	Reports and devotions.
8 "	Retire.

The above is varied to adapt it to the different seasons of the year.

Our special Sabbath exercises consist in preparations for Sunday School, public worship, and regular Sunday School recitations, and instruction, interspersed freely with vocal music. In all these exercises, much interest is manifested by the girls, who are particularly fond of music, while some are gifted with fine voices.

FARM.

This embraces one hundred and eighty-nine acres of land, about twenty of which, including the garden, is under the plough, the remainder, being pasture and woodland. The latter including a maple orchard of about one thousand trees. Though our arable land was carefully prepared, planted and tilled, and early in the season promised well, yet, in common with large sections, adjacent and remote, we have again suffered severely from the protracted drouth, so instead, as we had hoped, of an abundant supply for our need, we find ourselves short in crops of corn and potatoes. A large portion of the glebe is now, as in years past, devoted to pasturage.

GARDEN.

This, including some additions recently made, embraces about five acres, and is divided between fruits and vegetables. The late very severe frost nearly ruined the apples, pears, cherries, etc., then in full bloom, and injured the grapes and small fruits, while the drouth diminished materially the crop of vegetables. Of the latter, however, there has been a full supply for family use, and a good surplus of several varieties for winter consumption; so that the labor expended in the garden has been a profitable investment, in health, comfort and economy.

Considerable assistance has been rendered by the girls in some of the lighter labors of the garden, in which they engage with cheerful alacrity, regarding it as a recreation.

The following is a list of

FARMING UTENSILS. ETC.

Carriage	1
Double spring wagon	1
Single "	1
Farm wagon	1
Set carriage harness	1
Set spring wagon single harness	1

Set farm wagon harness.....	1
Cultivator	1
Plows.....	2
Harrow	1
Potato digger.....	1
Corn sheller.....	2
Cutting boxes.....	—
Sundry garden utensils.....	

FARM STOCK.

Horses	3
Cows	7
Yearlings	1
Calves	1
Hogs	21

FIELD CROPS, ETC.

Bushels corn (shelled)	350
“ potatoes	50
Acres corn fodder.....	12

GARDEN VEGETABLES.

Beans, bushels, green	18
“ “ Lima	17
“ “ dry	3
Beets, bunches, green.....	210
“ bushels, winter.....	12
Cabbage, Early York.....	396
“ Winter.....	1,500
Corn, sweet, green, dozen.....	380
“ “ dry, bushels	10
Cucumber pickles, dozen.....	375
Lettuce, heads	475
Melons.....	140
Onions, green, bunches.....	248
“ winter, bushels	5
Potatoes, early, “	101
Parsnips, “	6
Peas, green, “	17
Radishes, bunches	325
Squashes, summer, dozen.....	23
“ winter, “	2
Tomatoes, bushels.....	92

Beside minor articles, not enumerated—fruits, garden seeds, etc.

EMPLOYEES.

On account of extra farm work, one additional man was employed, to whom was committed the special care of the farm stock, assisting in building fences, and in the other improvements in progress during the

season. Another competent man has had sole charge of the garden, while others have been employed, more or less extensively, to aid in outside work. A night-watch is still indispensable, whose duties include that of mail carrier. This last item imposes much additional labor, as our post office is at Lewis Center, six and one-half miles distant from the Springs. Some postal arrangement, if practicable, would relieve the Institution of a heavy burden.

The kitchen and laundry departments, as previously suggested, are under competent and efficient supervision.

Abstract of account of money received and expended by the Superintendent, for the fiscal year ending November 15, 1871 :

RECEIPTS.

Balance from last year	\$512 15
Received of local treasurer	10,445 00
For stamps	3 00
For board of J. W. Ladd, and feed for his team	25 00
For 1 hide	2 80
For 1 calf	13 00
For conveying passenger	50
For board of carpenters	37 26
Total receipts	<u>\$11,038 72</u>

EXPENDITURES.

Paid for clothing, bedding, etc	\$1,416 99
“ meats	1,159 26
“ flour and feed	1,069 80
“ groceries and provisions	2,119 10
“ books and stationery	173 19
“ repairs	426 01
“ medical supplies	58 92
“ freight and express	294 30
“ furniture	1,182 48
“ reconstruction of buildings	1,750 62
“ horse from Piqua, blankets, feed in Delaware, etc	186 00
“ extra labor	176 42
“ 3 cows	98 50
“ returning girls	73 55
“ blackboards, crayons, etc	41 54
“ traveling expenses on business for the School	32 72
“ glass, etc	24 07
“ 2 plows	19 00
Paid balance due M. E. Burwell, cook	16 38
“ “ Mary Clark, cook	20 00
Paid for 1,000 rails	30 00
“ committees	18 00
“ coal	16 78
“ strawberry plants	12 80
“ telegraphing	6 39
Incidental account	225 60
Total expenditures	<u>\$10,648 42</u>
Balance on hand November 15, 1871	\$390 30

IMPROVEMENTS.

During the past season about two hundred rods of excellent board fence has been constructed, inclosing the lawn ; also nearly sixty rods of rail fence has been built to replace one dilapidated and worthless.

We are now engaged in reconstructing and repairing a portion of the buildings on the premises, to adapt them to the necessities of the Schools, growing out of our rapidly increasing numbers and consequent imperative demand for more room and increased facilities. It is very desirable that the legislature shall, at an early day, provide for the erection of at least one permanent, safe and commodious structure.

We take pleasure in expressing our thanks to the publishers of the periodicals mentioned below, for their generosity in furnishing them to us gratuitously :

Ladies' Repository, monthly, Cincinnati.

Golden Hours, monthly, Cincinnati.

Toledo Commercial, weekly, Toledo.

Toledo Commercial, tri-weekly, Toledo.

Geauga Democrat, weekly, Chardon.

Delaware Gazette, weekly, Delaware.

Cleveland Herald, tri-weekly, Cleveland.

Cleveland Leader, weekly, Cleveland.

Highland News, weekly, Hillsboro.

Westerville Banner, weekly, Westerville.

We also feel very grateful to the Delaware County Bible Society, for a liberal donation of Bibles for our girls. Nor would we forget the Christian kindness of those clergyman who have, from time to time, visited us and conducted our Sabbath services.

The fine cabinet organ and beautiful pictures, secured to us by the aid of thoughtful friends in the Legislature, are sources of constant gratification to us all, and cannot fail to exert a salutary, elevating influence upon our charge ; for surely the concord of sweet sounds, as it falls in harmonious measures upon the ear, especially when joined to the songs of Zion, as also the beautiful in art, as it attracts the eye and rivets the attention, must awaken new thoughts, new emotions, and new aspirations for the beautiful, the true, and the pure.

The assiduous labor, energy and zeal in the discharge of their responsible and often trying duties, that have characterized the Matron and teachers, deserve special commendation. None but those taught in the school of experience can appreciate this, or how exhausting to the energies, mental and physical, this kind of labor is, when the heart is in the work.

In this connection I would express my regret that failing health compelled Miss Sarah P. Clark, the first teacher engaged with us in this work, early in the year to resign her situation; and would bear testimony to her capability and earnest devotion to her arduous labors.

The experience and observation of the past year not only confirm, but more deeply impress the lessons of its predecessor, that such a home for the wayward and the erring, where they can be shielded, guided, instructed and saved, is not only desirable, but imperatively demanded, not alone by those who are in perishing need of its sheltering care, but by society itself. Hence, Christian benevolence, philanthropy and self-interest unite their plea in its behalf.

The inquiry has often suggested itself, "Why can there not be some provision for the sore needs of an older class of girls, than those committed to this Institution?" Most pressing applications have been made by parents, brothers, friends, for their admission here. Though their claims have been urged by considerations of the most pressing character, yet they could not be received. If the legal restrictions were removed, it would be most injudicious and hazardous to admit that class, grown more wayward, and often vicious, among us, as their influence would be more injurious, more prejudicial to the interest of the pupils here, than all we might hope to accomplish, would benefit them.

But the question returns, "Might there not be some provisions made for them, either in a separate institution, or as a matter of economy, in an appendage to this?" I have proposed these questions simply to call attention to the pressing wants of those girls, scattered over our State, who, though often led far astray from rectitude, are not without the pale of humanity or hope.

Grateful for your counsel, aid and sympathy in the past, trusting for the future, we enter upon the untried duties of another year, commending our trust to the appreciating interest of the benevolent, the liberal, fostering care of our Legislature, and the continued smiles of an ever-watchful Providence.

Respectfully submitted,

JOHN NICHOLS, *Superintendent.*

BIENNIAL REPORT
OF THE
ATTORNEY GENERAL
OF THE
STATE OF OHIO,
FOR THE
YEARS 1870 AND 1871.

46—Ex. Doc. Pt. I.

REPORT OF ATTORNEY GENERAL.

OFFICE OF THE ATTORNEY GENERAL,
COLUMBUS, OHIO, December 23, 1871.

To His Excellency, the Governor of the State of Ohio :

SIR:—As required by the Constitution and the “act prescribing the duties of the Attorney General,” a general statement of the business under the immediate charge of this office, for the past two years, is submitted.

During that period there have been collected and certified into the State Treasury by me, the following sums :

From Thomas Lough, on contract for convict labor.....	\$3,585 48
“ Wm. McDonald & Co., “ “	1,429 15
“ Wm. Trevitt, on sale of Central Ohio Lunatic Asylum grounds.....	2,630 83
From Wm. S. Sullivant, balance on “ “ “	98 00
Total.....	<u>\$7,743 46</u>

In addition to the above, there was collected from John Miller, for tuition and maintenance of his son at the Asylum for Idiots, the sum of \$400, which was paid over to the Superintendent of that Asylum.

SALE OF CENTRAL LUNATIC ASYLUM GROUNDS.

By the act of the General Assembly of April 18, 1870, (O. L. vol. 67, p. 90,) the Governor, Treasurer of State, and Attorney General, were authorized, among other things, to sell the old Central Ohio Lunatic Asylum grounds, for a sum not less than \$200,000, and on such terms of payment as they might deem for the best interest of the State.

In accordance with such authority, they sold said grounds for the sum of \$200,500, a large part of which was upon deferred payments, for which notes were taken, with interest at six per centum, payable annually, and secured by mortgage upon unincumbered real estate. A full report of their doings in the premises was made by said Commissioners to the last General Assembly. The General Assembly, for some reason, failed to direct what disposition should be made of these claims. Payments have been made thereon, so that the principal thereof amounts to \$124,160, and the interest overdue to about \$3,700, making the total about \$127,860.

In my judgment, such legislation should be had as will place these claims in the State Treasury, and charge the Treasurer with them as bills receivable. Carefully prepared lists of the same should be filed with the Auditor and Comptroller, so as to insure a correct account of them.

THE SAMUEL DOYLE CLAIM.

As directed by the last General Assembly, in joint resolution of April 18, 1870, (O. L., vol. 67, page 180,) I brought suit in the Court of Common Pleas of Franklin county against Samuel Doyle, to recover the sum of \$2,761.44, with interest from the dates when the checks therein named were respectively paid. This action is still pending, and I hope soon to arrive at a determination of it.

MORGAN RAID CLAIMS.

On the 30th of April, 1869, the General Assembly passed an act entitled "an act to provide for the payment of claims growing out of the military expedition of John H. Morgan in the State of Ohio, in 1863," (O. L., vol. 66, p. 66.) In accordance with the provisions of this act, the Governor certified to the Auditor of State an abstract of the claims allowed by the Commissioners, under the act of 1864. On the 6th of May, 1869, the General Assembly passed the general appropriation bill, including an appropriation for the payment of these claims. (O. L., vol. 66, page 106.)

John Fordyce held one of these claims of considerable amount for damages done him by Morgan and his men, in destroying and taking away his property, and demanded of the Hon. J. H. Godman, Auditor of State, a warrant upon the State Treasury for the amount of his claim. The Auditor, acting under the advice of my very able predecessor, refused the warrant, and thereupon, Mr. Fordyce applied to the Supreme Court for a peremptory mandamus, to compel the Auditor to issue such warrant. An issue of law was made by the pleadings, and the court upon hearing held:

"We see no room for doubt that the plaintiff's claim is shown by the pleadings to be one for which no warrant can legally be drawn upon the Treasury, unless its payment has been authorized by two-thirds of the members elected to each branch of the General Assembly. * * * The answer of the defendant avers that neither of these acts were voted for by two-thirds of the members elected to either branch of the General Assembly, as appears by the Journals of the respective Houses; and that plaintiff's claim has, therefore, never been allowed by any valid enactment. The plaintiff's demurrer admits the truth of this averment, pro-

vided the Journals of the respective Houses may be examined for the purpose of ascertaining the state of the vote upon the alleged passage of a bill. That these Journals are the proper evidence as to the state of the vote, on the passage of a bill, we entertain no doubt. * * * Mandamus refused."

The claims scheduled by the Commissioners under the act of 1864, as "Militia Claims" have, by my advice, been paid, as I was satisfied that for that class of claims there had been sufficient authority for creating liability against the State by the Constitution of the State and the various acts of the General Assembly, of 1861 and 1862, relating to the military affairs of the State.

The claims scheduled as "Union Claims" and "Damages by the Rebel Forces" cannot, under the above decision of the Supreme Court, be paid without further legislation, and warrants therefor have been refused when applied for. It would seem reasonable and just, that these damages sustained at the hands of a common enemy, and incurred for the common defense should be equally borne by the common wealth of the State, and that the better judgment of our people will ultimately endorse the payment of these claims.

I am satisfied that quite a large portion of the "Union Claims" are of the same character with those scheduled as "Militia Claims," and have been for some reason or other erroneously classed as "Union Claims." If such is the case, it is not only inequitable, but illogical, not to provide for their payment, and I would respectfully suggest the appointment commission to re-examine these claims, and put them in a situation so that they may be paid.

A. BASSET'S CLAIM.

Last winter, the General Assembly by joint resolution, passed May 2d, 1871, (O. L., Vol. 68, page 228,) authorized A. Basset, to bring a civil action against the State for the recovery of \$1,000 and interest from November 1st, 1845, claimed by him to be due from the State, on account of ten turnpike bonds of the State, owned by him and alleged by him to have been deposited with the Treasurer of State. The action was brought in the Court of Common Pleas of Franklin County, by Mr. Basset, an issue made up and tried, and judgment rendered for the State. A bill of exceptions has been signed, and I am informed, that Mr. Basset will take the case to the Supreme Court.

W. W. RILEY'S CLAIM.

Under the Joint Resolution of the General Assembly, adopted April 29, 1871, (O. L., Vol. 68, page 222,) W. W. Riley brought an action against

the State, to recover \$10,000, for damages alleged to have been done him, by the Directors of the Penitentiary, in diverting a water course from his premises, and destroying a valuable water power. The cause was tried to a jury at the last term of the Court, and the jury disagreed, so that it will have to be tried over again, unless the General Assembly and Mr. Riley can agree upon some other mode of adjusting it, which I would respectfully recommend.

PITTSBURGH, FORT WAYNE & CHICAGO RAILWAY COMPANY.

The House of Representatives, in the winter of 1870, by resolution, directed me to file an information in the nature of Quo Warranto, to test the corporate existence of the Pittsburgh, Fort Wayne & Chicago Railway Company.

In accordance with the spirit of that resolution, I filed an information against Kent Jarvis, John Sherman and R. R. Springer, claiming to be Directors of said Company, residing in Ohio. Owing to the illness of Judge Ranney, counsel for the defendants, the hearing of the case has been delayed, but it will, I am sure, be disposed of in the early part of this session of the Supreme Court.

INCORPORATED COMPANIES.

The attention of the General Assembly has been several times called to the condition of the statutes, providing for the creation and regulation of incorporated companies in this State. Since the passage of the original act in 1852, amendatory and supplementary acts have been passed by successive Legislatures, to such an extent and of such character as to render it extremely difficult to find what the law is in many particulars, even by those learned in the law, and, of course, much more so to those who have not made such matters a study. Many of the provisions are inconsistent and even repugnant, and in some instances, attempts have been made to amend provisions that had been previously repealed.

Gradually from a uniform system, such as the framers of the original act intended, the provisions creating and regulating corporations, are almost as diverse as the subject sought to be incorporated. So many and such conflicting provisions embarrass greatly those seeking to become incorporated, as well as those attempting to operate corporations, or change their organic features. These artificial persons depend for their existence and power to act, entirely upon legislation. Almost every branch of business where persons desire to combine their capital for its more convenient operation now seeks to become incorporated, and if such corporations ought to be encouraged at all, the statutes regarding them, should

be so clear, explicit, and uniform, as to address themselves easily to the understanding of all, so that stockholders and creditors may alike be protected from swindles, that are daily attempted to be perpetrated.

One of the most troublesome duties of this office is, the examination of certificates sought to be filed for record with the Secretary of State, for the purpose of creating incorporated companies. It is not made the duty by law of the Secretary of State, or any other officer, to make these legal examinations, but the Secretary has wisely determined, I think, to refuse to record certificates, until he has satisfied himself that they conform in all respects to the statutes. Erroneous organizations might lead innocent creditors and stockholders into great loss and trouble.

It has been before suggested that the duty of vising these certificates should be devolved by law upon some officer of the State, to be paid by fees. In this recommendation I concur. But above all things the body of existing laws upon this subject should be thoroughly revised and codified.

RAILROAD CORPORATIONS.

The views of my predecessor in his last report, touching railroad corporations, deserve, as I think, the earnest attention of the General Assembly.

These mammoth corporations in other States are gradually but surely seizing upon and making their own all the thoroughfares of this character in the State, either by purchase or lease, and if they are to be allowed to do this, ceaseless vigilance will be required to prevent them from levying such a tax upon the commerce and industry of the State as will be disastrous to its best interests.

So often as is practicable to oust these companies, formed under the old Constitution, of the special privileges granted by the acts incorporating them, it should be done, and all these roads brought under the control of general legislation, just and equal to them as well as to the business interests of the State. More interest is being felt in this subject in commercial and business circles than in almost any other, because of the gigantic power for good or for evil which such corporations as the New York Central, Erie, Pennsylvania Central and the Baltimore and Ohio companies possess.

In my judgment the Commissioner of Railroads and Telegraphs, if sufficient power is placed in his hands, might be made a powerful agent in protecting the interests of all concerned.

OFFICE BUSINESS.

The call upon this office for opinions has largely increased in the last few years, and it now takes a large amount of labor to prepare and transmit them.

The criminal business of the Supreme Court is still large, although I cannot say that it is increasing, and much time has necessarily to be consumed in preparing cases for hearing.

In fact, to such an extent has the business of this office increased that it now requires the personal attention of the Attorney General nearly the whole time; and in my judgment the interests of the State would be greatly benefited if he should be required to stay here and devote his whole time to official duties, and he should be paid a salary commensurate with the service rendered.

Respectfully submitted,

F. B. POND,
Attorney General.

APPENDIX.

CIVIL CASES.

In the Supreme Court :

State *ex rel.* v. the Cincinnati Gas Light and Coke Co. Pending.

State *ex rel.* v. Pennsylvania and Ohio Canal Co. Pending.

State *ex rel.* v. Ohio Machine Works. Quo Warranto. Dismissed.

State *ex rel.* v. Rufus S. Lee *et al.* Quo Warranto. Pending.

State *ex rel.* v. Jacob Riblet *et al.* Quo Warranto. Dismissed.

State *ex rel.* v. the city of Cincinnati. Quo Warranto. Pending.

State *ex rel.* v. Kent Jarvis *et al.* Quo Warranto. Pending—at issue.

State *ex rel.* v. George Donnenwirth. Quo Warranto. Pending—at issue.

State *ex rel.* v. the Judges of the Court of Common Pleas of the 1st Judicial District. Quo Warranto. Submitted.

State *ex rel.* v. William Holmes *et al.* Board of Equalization of Hamilton county. Quo Warranto. Judgment of ouster.

State *ex rel.* v. the Cleveland and Mahoning Railroad Co. Quo Warranto. Pending.

State *ex rel.* v. Enoch T. Carson. Quo Warranto. Pending.

John Fordyce v. The Auditor of State. Mandamus. To compel the Auditor to draw a warrant on the State Treasurer to pay Morgan Raid Claims. Mandamus refused.

In the Franklin Common Pleas :

A Bassett v. The State. To recover for Turnpike bonds. Judgment for the defendant.

W. W. Riley v. The State. Diversion of water course. Tried and jury disagreed.

The State v. John G. Breslin. Attachment. Dismissed.

The State v. Wm. H. Gibson. Dismissed.

The State v. Wm. H. Gibson *et al.* Sureties of Jno. G. Breslin. Dismissed—sureties not chargeable.

The State v. J. W. Miller *et al.* Sureties of Wm. H. Gibson. Dismissed.

The State v. Jacob S. Brown *et al.* Printing contract. Sureties discharged.

The State v. H. Cummings. Action to secure overpayment on painting the State House. Dismissed.

CRIMINAL CASES.

State *ad.* John Jarvis. Manslaughter. Error to the Common Pleas of Muskingum county. Judgment affirmed.

State *ad.* James M. Brown. Embezzlement. Error to the Common Pleas of Licking county. Judgment affirmed.

State *ad.* Michael Harrington. Murder. Error. Reserved in the District Court of Huron county. Judgment reversed and remanded.

State *ad.* Thomas D. Carr. Murder. Error to the Common Pleas of Belmont county. Judgment affirmed.

State *ad.* George Metherd. Burglary. Error to the Common Pleas of Greene county. Judgment reversed and remanded.

State *ad.* James and Amos Davis. "Keeping Gambling House and exhibiting gaming devices." Error to the Common Pleas of Hamilton county. Judgment reversed and remanded.

State *ad.* Miles Oviatt. "Injuring a horse, the property of another." Error to the Common Pleas of Summit county. Judgment affirmed.

State *ad.* Frank Hardy. Murder. Error to the Common Pleas of Adam county. Judgment affirmed.

State *ad.* Geo. W. Cantwell. Grand Larceny. Error to the Common Pleas of Huron county. Judgment reversed.

State *ad.* Wm H. Leasure. Grand Larceny. Error to the Common Pleas of Van Wert county. Judgment affirmed.

State *ad.* Robert Davis. Burglary. Error to the Common Pleas of Darke county. Judgment reversed.

State *ad.* Benjamin Prescott. Arson. Error to the Common Pleas of Van Wert county. Judgment affirmed.

State *ad.* Lewis Benton Drake. Forgery. Error to the Common Pleas of Belmont county. Judgment reversed.

State *ad.* Jeremiah C. Wolfe *et al.* Manslaughter. Error to the Common Pleas of Muskingum county. Judgment reversed.

State *ad.* John J. Pratt. Rape. Error to the Common Pleas of Lake county. Reversed and new trial ordered.

State *ad.* Samuel Dunwoody. ———. Error to the Common Pleas of Butler county. Judgment reversed.

State *ad.* Michael Kelley. ———. Error to the Common Pleas of Hamilton county. Judgment reversed.

State *ad.* William Turpin. Forgery. Error to the Common Pleas of Ross county. Judgment affirmed.

State *ad.* William Jeffries. ———. Error to the Common Pleas of Hamilton county. Judgment reversed.

State *ad.* Charles P. Knight. Rape. Error to the Common Pleas of Geauga county. Judgment reversed.

State *ad.* William Foster. Arson. Error to the Common Pleas of Williams county. Affirmed.

State *ad.* John Cain. Rape. Error to the Common Pleas of Shelby county. Affirmed.

State *ad.* Elson Hyssom. Rape. Error to the Common Pleas of Monroe county. Judgment affirmed.

State *ad.* George Casson. Bigamy. Error to the Court of Common Pleas of Fayette county. Dismissed.

State *ad.* Chas. Edgerly. Keeping Billiard Table. Error to the Common Pleas of Summit county. Judgment reversed.

State *ad.* Wm. Wroe. Murder. Error to the Common Pleas of Montgomery county. Judgment reversed.

State *ad.* Aaron Leach. Murder. Error to the Common Pleas of Vinton county. Stricken from the docket.

State *ad.* Orlando C. Farquhar and W. P. Van Allen. Abortion. Error to the Common Pleas of Muskingum county. Pending.

State *ad.* Alexander P. Anderson. Selling liquors to a minor. Error reserved in District Court of Lorain county. Pending.

State *ad.* Thomas B. Brown. Robbery. Error to the Common Pleas of Scioto county. Pending.

State *ad.* Henry Pickett. Selling liquors. Error to the Common Pleas of Hamilton county. Pending.

State *ad.* Wm. McDowell. Selling liquors. Error reserved in the District Court of Lake county. Pending.

State *ad.* James J. E. Johnston. Keeping room where liquors are sold. Error to the Common Pleas of Huron county. Pending.

State *ad.* John M. Kreidler. Contest for position of First Lieut. of Police, Dayton, O. Error reserved in the District Court of Montgomery county. Pending.

State *ad.* Truman H. Brown. Bigamy. Error to Common Pleas of Fulton county, Ohio. Pending.

State *ad.* David D. Evans. Injuring property of another. Error to the Common Pleas of Gallia county. Pending.

State *ad.* Alonzo Pelton, *alias*, Wm. Moore. ———. Error to the Common Pleas of Hamilton county. Pending.

State *ad.* William Carroll. Murder. Error to the Common Pleas of Clermont county. Pending.

State *ad.* E. C. Crofton. Permitting house to be used as a house of ill-fame. Error to the Common Pleas of Hamilton county. Pending.

State *ad.* Samuel T. Munsen. ———. Exceptions to the Common Pleas of Lorain county. Pending.

State *ad.* Chester Matthews and Benj. Buzzard. Obstructing a public highway. Error to the Common Pleas of Ashland county. Pending.

State *ad.* John Eckels. Grand Larceny. Error to the Common Pleas of Hamilton county. Pending.

State *ad.* Alfred Adams. Selling liquors to a person in the habit of becoming intoxicated. Error to the Common Pleas of Morgan county. Pending.

State *ad.* Michael Behimer. ———. Exceptions to the Common Pleas of Brown county. Pending.

State *ad.* George Barclay, *et al.* Murder. Error to the Common Pleas of Ross county. Pending.

State *ad.* Grunkemeyer. Selling liquor to a minor. Error to the Common Pleas of Hamilton county. Pending.

State *ad.* Thomas Callahan. Shooting with intent to kill. Error to the Common Pleas of Hamilton county. Pending.

State *ad.* George W. Rimmey. Burglary. Error to the Common Pleas of Vinton county. Pending.

State *ad.* Wm. Lee. Burglary. Error to the Common Pleas of Vinton county. Pending.

State *ad.* Thomas McGehee. Murder. Exceptions to the Common Pleas of Warren county. Pending.

State *ad.* William Armstrong. Horse stealing. Error to the Common Pleas of Warren county. Pending.

MOTIONS FOR ALLOWANCE OF WRITS OF ERROR.

Rufus E. Wells v. The State. Overruled.

Frank Callars v. The State. Overruled.

Jeremiah F. Perry v. The State. Overruled.

John Shafer v. The State. Overruled.

Philip Shinwitz v. The State. Overruled.

Louis Bodenheimer *et als* v. The State. Overruled.

Andrew Hanfield v. The State. Overruled.

Maria Wright v. The State. Overruled.

Stephen Miller v. The State. Overruled.

Eli D. Licklider v. The State. Overruled.

Joseph M. Black v. The State. Overruled.

Emanuel Shufflin v. The State. Overruled.

John Beck v. The State. Overruled.

Robert McDevitt v. The State. Overruled.

George Duke v. The State. Overruled.

Samuel T. Wenson v. The State. Overruled.

The State v. John Owens and George Taylor. Overruled.

George Weeks v. The State. Overruled.

William Steen v. The State. Overruled.

James Call v. The State. Overruled.

Mollie Eggers v. The State. Overruled.

Lemuel John v. The State. Overruled.

Lemuel N. John v. The State. Overruled.

Contingent Expenses for 1870 and 1871.

Date.	To whom paid.	For what purpose.	Amount.
1869.			
Dec. 22	W. H. West, Attorney General.	Fees paid in State v. Bucyrus Gas Co.	\$4 25
31	J. Nagle	Messenger	20 00
	same	Expenses paid	20 60
1870.			
Jan. 22	W. U. Telegraph Co.	Telegraphing for December	3 87
28	A. S. McDonald	Door-lock	3 50
Feb. 5	J. Nagle	Messenger	16 66
	same	Expenses paid	30 87
8	same	Water stand	22 88
	J. J. Wood, P. M.	Postage	25 00
Mar. 13	J. Nagle	Messenger, \$10; key, 50c	10 50
31	same	" 10; expenses, \$1.60	11 60
Apr. 30	same	" 10; " 5.50	15 50
July 9	same	" 20; " 32.22	52 22
	D. Benbow	Painting room	120 00
Sept. 1	J. Nagle	Messenger, \$20; expenses, \$3.35	23 35
30	same	" 10; postage, 1.00	11 00
Oct. 28	same	" 10; expenses, 1.50	11 50
	W. U. Telegraph Co.	Telegraphing	3 45
Nov. 14	Halm, Bellows & Butler	Chairs	10 50
	J. Nagle	Messenger	5 00
	same	Expenses paid	8 35
Dec. 7	West. Union Tel. Co.	Telegrams for October and November	3 18
16	Jacob Nagle	Messenger, 1 month	10 00
1871.			
Jan. 7	same	" 1 "	5 00
7	same	Postage	1 15
7	same	Paid for ice	10 00
	F. A. Marble	Paid for recording mortgage	1 75
	C. Loewenstein, Clerk	Fees in case of Brealin and Gibson	21 00
	Halm, Bellows & Butler	Table cover	15 25
Feb. 6	J. Nagle	Services as messenger	10 00
6	same	Washing windows	75
Mar. 3	same	Messenger, 1 month	10 00
April 6	same	" "	10 00
6	same	Paid postage account	1 20
May 2	H. S. Babbitt	Expenses on trial of J. M. Brown, acc't Coshocton robbery	34 80
	J. Nagle	Messenger	10 00
	same	Expenses paid for office	17 65
	West. Union Tel. Co.	Telegrams in February	2 88
July 12	J. Nagle	Messenger	15 00
12	same	Postage and ice bill	14 30
June 2	same	Messenger	10 00
2	same	Paid for books	7 50
Aug. 27	same	Messenger	5 00
27	same	Paid for books	22 25
Sept. 7	same	Messenger	10 00
Oct. 13	F. B. Pond	Paid for books	49 00
16	J. Nagle	Messenger	15 00
16	same	Postage acc't	1 21
Nov. 1	same	"	11 24
1	same	Messenger	5 00
14	same	"	5 00
14	same	Telegrams	2 16
	Total		\$767 87

TWELFTH ANNUAL REPORT

OF THE

BOARD OF DIRECTORS AND OFFICERS

OF THE

LONGVIEW ASYLUM,

TO THE

GOVERNOR OF THE STATE OF OHIO,

FOR THE YEAR 1871.

47—Ex. Doc. Pt. I.

BOARD OF DIRECTORS.

HON. JOHN F. TORRENCE, PRESIDENT.

JOSEPH SEIFERT, Esq.

A. D. BULLOCK, Esq.

JOHN W. HERRON, Esq.

HON. JOHN K. GREEN.

HON. JOSHUA H. BATES, SECRETARY.

OFFICERS.

SUPERINTENDENT AND PHYSICIAN,

J. T. WEBB, M. D.

ASSISTANT PHYSICIANS,

WM. RASCHIG, M. D.,

WM. H. DEWITT, M. D.

STEWARD.

A. M. ROBINSON.

MATRON.

REPORT OF DIRECTORS.

LONGVIEW ASYLUM, HAMILTON CO., OHIO,

November, 1, 1870.

To his Excellency, R. B. HAYES, Governor :

SIR: We herewith respectfully transmit the report of the Superintendent of Longview Asylum, with its accompanying documents, showing the condition and expenditures of the Institution during the year last past. We would say that since our last report, Dr. Langdon, who had presided over the Institution for many years, resigned his position, and Dr. Wm. H. McReynolds was appointed Superintendent in his place, who took charge of the Institution, and managed it with such care and skill as to excite our expectations that the Institution would more than ever realize the objects for which it is intended. His health failing, he was compelled to resign his position. We were fortunately able to secure the services of Dr. J. T. Webb as his successor, and his judicious management is rendering the Institution really an Asylum for those so mysteriously afflicted. We commend him and his faithful assistants, Drs. Raschig and Dewitt, for their zeal, attention, and kindness to the unfortunates under their charge.

We are, very respectfully,

Your obedient servants,

JOHN F. TORRENCE, *President.*

A. D. BULLOCK,

JOHN K. GREENE,

JOHN W. HERRON,

JOSEPH SEIFERT,

JOSHUA A. BATES, *Sec'y.*

DIRECTORS.

SUPERINTENDENT'S REPORT.

To the Board of Directors :

GENTLEMEN:—By the partiality of your honorable body I was selected at your meeting of June 6, 1871, to take charge of the affairs of Longview Asylum, and on the 10th of the same month I entered upon the discharge of my duties. It is but due to my friend, Dr. McReynolds, the retiring Superintendent, to thus publicly acknowledge the many obligations I owe to him for the kind attention shown in introducing me, as far as possible, into the various and varied duties of my new position. In thus assuming the duties of Superintendent of Longview Asylum, with the more than five hundred patients, together with its officers, attendants, and employes, feeling, as I did, that not only the eyes of the friends of those committed to my care were upon me, but that from the peculiar condition of affairs in and around Longview, for months if not years past, I should be most closely observed by the community at large, it was, I assure you, with a full sense of its responsibilities, that I accepted the position.

How far I may have succeeded in meeting your expectations is for you to decide; and, in this connection, let me thank you, to whom *I am alone responsible*, for the unfailing confidence you have ever manifested in me; and let me assure you that this trust has been no slight pleasure to me amid the many and trying duties of my station. In compliance with the law for organizing this Institution, the following report of its operations, during the past fiscal year, is most respectfully submitted. I must, of course, embrace in this report that portion of the year during which the Institution was under the care of Drs. Langdon and McReynolds—the first about six weeks, the latter some five months :

TABLE NO. 1.

	Males.	Females.	Total.
Number of patients at commencement of the year	271	273	544
Received during the year	157	106	263
Whole number treated	428	379	807
Daily average under treatment .....	.....	.....	556
Discharged recovered	66	53	119
Discharged improved	17	15	32
Discharged unimproved	10	5	15
Eloped	5	.....	5
Died	44	17	61
Whole number discharged	142	90	232
Remaining Nov. 1, 1871	282	293	575
Central District patients .....	.....	.....	95
Colored State patients .....	.....	.....	22
Patients supported by friends .....	.....	.....	21
Total not dependent on county for support .....	.....	.....	138
Total number dependent on county for support .....	.....	.....	437
Whole number of cases received and treated from opening of Asylum in 1860 to 1871 .....	.....	.....	2,568
Discharged recovered	650	613	1,263
Discharged improved	121	108	229
Discharged unimproved	29	11	40
Escaped	13	3	16
Died	237	208	445
Total number discharged since the opening of the Institution, 1860 .....	.....	.....	1,991

"Central District patients" are those received from Columbus after the destruction by fire of the Asylum at that place, and are supported by the State.

"State colored" applies to all the colored patients outside of Hamilton county, who are cared for at the Colored Asylum, and supported by the State.

Still another class are those supported by friends, leaving, as it does, 445 patients dependent on Hamilton county for support. It will be seen by examining the above tables, that there is an increase in the number of patients remaining in the Asylum at the close of this year over that of last, and the same has been the case, as a general rule, each succeeding year since the establishment of the Institution, until, at this time, the Asylum buildings are entirely inadequate to the proper accommodation of the insane of this county. As has been shown by the foregoing figures this year closed with 575 patients, being, beyond question, 220 more than the proper capacity of the house to accommodate. True, there are some

hundred "Central District" patients who *may* be removed soon ; but the fact still remains that we have 125 patients more than we can *properly accommodate*. This overcrowded condition of the Institution has been an embarrassing circumstance in conducting the affairs of Longview. It has, in a great degree, prevented the proper classification of patients, without which many of the advantages arising from such institutions are lost. In fact, the proper classification of patients is *absolutely essential*, in order that we may derive the highest degree of benefit from the treatment.

That you may the more fully appreciate the overcrowded condition of Longview, permit me just here to enter somewhat into detail. The ordinary sleeping apartments, 8x12 feet, intended for one patient, have, with few exceptions, *two*, and sometimes *three*, occupants. Dormitories, with accommodations for six patients, have twelve and fourteen. And, in addition to all this, from eighty to one hundred beds are *nightly spread on the floor* !

Longview was constructed for 350 patients ; for that number it has ample accommodations. Its ventilation, heating, etc., all on the most improved plans, but overcrowded and clogged up as it is, *everything* falls short—the most serious difficulty, however, being the utter impossibility of the proper ventilation and classification.

The insane have been styled the "wards of the commonwealth," and you, gentlemen, are their guardians. It is for you to decide what course to pursue in mitigation of this serious and ever-increasing difficulty. I can suggest but one, viz. : *additions* to the present house. Can I present this matter in a stronger light to those in authority than by the above facts, showing conclusively that at this time we are *compelled* to care for, as best we can, *double* the number of the capacity of the house to accommodate ?

The health of the inmates for the past year has been good, save during the malarious season, when we were visited, in common with this entire valley, with intermittent fever. There were a great many cases, both among employes and patients, but fortunately no serious ones, the disease most generally yielding at *once* to remedial treatment. Heretofore the inmates of the Colored Asylum had escaped this malarious fever, but this year they had their full proportion. Much of this fever was due to the "pond," the bane of all this section. And we are all happy in the fact that the pond is no more, having been filled up. There is still another fruitful source of this malarious fever in our midst, and, unless abated, will create much sickness the coming summer. I allude to Mill creek, into which is emptied all the refuse matter from various starch factories and paper mills. This poison has destroyed all the fish in the stream, and will prove an inevitable source of fever.

The number of deaths this year is about the same as last, one or two less.

Ages of patients at time of their death :

Over the age of 30 and under 40.....	14
“ “ 40 “ 50.....	16
“ “ 50 “	16
Total	45

Of this number, twenty were chronic cases, whose residence in the institution varied from four to fifteen years.

Of the 61 deaths, it will be seen by reference to table that 15 died of phthisis, 5 from epilepsy, 5 from general paralysis, 5 anæmia, 2 old age, 1 received in articulo mortis, 16 maniacal exhaustion, 3 from apoplexy, 1 from suicide, the remaining 8 from various diseases.

COLORED ASYLUM.

There are in the Colored Asylum, at present, twenty-six patients, only *four* of whom belong to Hamilton county, the remaining twenty-two to the State. By a contract made with the State, May 25, 1869, the Trustees of Longview agreed to take all the colored lunatics of the State, at a stipulated price. At that time it was, no doubt, the best arrangement that could be made. Now, however, things are so changed that there is no longer a necessity for this division of the insane. Most, if not *all*, of the asylums in the Eastern States have more or less colored patients. No notice whatever is taken of the fact; no instances are recorded, nor could I learn of any, where the presence of colored patients have ever occasioned any trouble. I would most earnestly recommend that the Colored Asylum, as such, be abolished, that the State authorities be requested to remove the patients therefrom, and that, until better accommodations are provided, a certain class of patients from the main asylum be placed there, thus partially relieving our overcrowded condition. This Colored Asylum, separated as it is from the main building, is a tax on the funds of Longview.

There is evidently a necessity for some kind of enactments to protect lunatic asylums from a growing abuse, viz.: the admission of improper persons—persons not insane within the meaning of the law. It is eminently respectable to send an aged parent, after they have become a care to the household, to some insane asylum, whereas their proper place, as a charity upon the public, would be an infirmary. It is convenient for sister charitable institutions to rid themselves of an extra care in the same manner. A husband, tired of a simple minded but affectionate wife, finds

the lunatic asylum a convenient institution. All of these cases, and more, could be produced in our own.

Here is a sample of one of these commitments :

"The State of Ohio, Hamilton county: I, ———, physician, resident of Cincinnati township in said county, *certify* that I have examined ———, and find her to be insane. The duration of the present attack is two years, this being the first. She is very old, having loss of memory of persons and places.

"The patient has not shown a disposition to injure herself or others, nor to destroy clothing, furniture, and other property; her natural disposition is good. The supposed exciting cause of the present attack is old age. Age, eighty-eight."

Is not this an interesting case of insanity? It is so certified to under oath, and the poor old woman is sent off to Longview in charge of two men and one woman. Read it over; I mean the indictment. She is very old, having loss of memory, of persons and places; has not shown a disposition to injure any one, or herself, or to destroy furniture, clothing, etc.; her natural disposition is good—all of which is true. But does this make her insane?

Then follows the supposed inciting cause, *old age*, for which we find there has been *no treatment*. A little further on we have the whole facts in the case, viz.: the old lady is aged eighty-eight years, for which, and no other cause given, she was committed to Longview.

Again, a similar case:

"State of Ohio, Hamilton county: I, ———, physician, resident of Cincinnati, do hereby certify that I have examined ———, and find her to be insane. The duration of present attack is four years, this being the first. Patient has had hallucinations. The patient has not shown any disposition to injure herself or others; her natural disposition is quiet; the disease is not hereditary; aged seventy-nine; has had eleven children."

Another illustration of the fact, explained when you read "aged seventy-nine; has had eleven children."

Again:

"I, ———, physician, resident of Cincinnati, do hereby certify that I have examined ———, and find her to be insane. Duration of attack one year, this being the first. Has had hallucinations; can't sleep of nights; natural disposition good; has been an inmate of Cincinnati Hospital for some months; has her mother in Longview Asylum at present."

This is a remarkable case, because she had been under the treatment of surgeons for months, well knowing her disease; yet she was sent to

Longview, because she gave trouble at the hospital, and *and had a mother here.*

A different class of cases is the following:

"I, ———, physician, certify that I have examined ———, and find him to be insane; duration three years, this being the first; the patient has had hallucinations; is continually talking about picnics, steamboats, and railroads; aged fifteen years."

Here was a boy sent to Longview, simply because he talked about steamboats, railroads, and picnics. Where did he live? In Pendleton, surrounded by railroads and steamboats; near Ohmer's Garden, filled every day and night by picnics and parties.

During the past year there have been a number of permanent additions and improvements made in and about the building. Dr. McReynolds, on assuming the duties of the superintendency, had all the available space, both in the center building and wings, converted into wards, adding thus *four* new wards to the house, occupied at this time by eighty or more patients. The space thus occupied on the male side had been formerly billiard rooms, on the female side sewing rooms, and in the central building sleeping rooms for employes. These in turn have been distributed over the house as best we could, some occupying rooms in the basement, stable, etc.

The item in the Steward's report, "improvements and repairs, \$6,742.06," refers mostly to these changes.

Again, we found the laundry, built eleven years since, not only too small, but the machinery worn out, and the wood-work of the entire building so much decayed as to be unsafe. By direction of your Board, under the immediate supervision of the Engineer, we have enlarged the capacity of the building by adding an additional story, of stone, with stone floors, etc. These rooms are thirty-six feet long and thirty-two feet wide, on the first floor, divided by partitions.

We have on one side four power hydraulic washing machines, bought of the Queen City Wringer Company, at a cost of \$1,246. In the opposite room, are twenty-four permanent wash-tubs, with every convenience for hot and cold water, steam, etc. After the wash is finished, it is placed on a steam elevator and removed to the drying-room above, the entire roof of which is glass. Here the wash is placed on horses swung from the ceiling. These, when returned to their position, under which are distributed one thousand feet of one-inch steam pipe, complete as perfect a drying-room as could be desired, furnishing abundance of heat, light, and air. The room adjoining this is the ironing-room, with suitable tables, etc. Adjoining the ironing-room, but entirely separated from it, is a small fire-proof room, in which is a stove for heating irons. This room is so con-

structed that in summer the heat from the stove may not penetrate the adjoining work-rooms.

At the same time that we constructed additions to the Laundry building, we also added an additional story, of stone, to the store-room and which, opening as it does, into the ironing room, is used for the assorting room. This room, forty-two feet long and eighteen feet wide, with windows on either side, furnished with tables, shelves, etc., meets a want long felt, viz: a suitable room for receiving and sorting out the wash of the house.

Again, it was found that an additional amount of heat was desirable in different portions of the building, and by order of your Board, the Engineer has made the requisite additions, consisting of 113 coils of eighteen pipes, two feet high, making 1,134 superficial feet, with all necessary valves and fittings, at a cost of \$2,610.48.

Another and equally important work was the building of a brick sewer, "egg shape, open mouth," one thousand feet long, extending from both wings to the open stack, rendered necessary by the closure of the pipe sewer.

Again, we found, for want of proper drainage pipe, the foundation of the building, the cellar, etc., were damp and moldy. This has been completely remedied, as we hope, by the laying down of 346 feet of six-inch and 180 feet of fourteen-inch drainage pipes. In addition to this, several thousand yards of grading and filling have been accomplished by the Steward.

Among my first acts after assuming charge here, was to call the attention of the Board to the great want of an airing court, where the patients could daily enjoy pure air and the healthful influence of the sun. This suggestion was immediately acted upon, and I was authorized to erect a board fence twelve feet high, in the rear of the grounds. The "park," as it is called, is 446 feet long by 220 feet wide, and cost one thousand dollars. There should be at least one thousand dollars more expended in the erection of buildings, summer-houses, swings, etc. When the weather is favorable, every patient able to walk out spends three or four hours daily in the park. Various games of ball are played by the males, while the females amuse themselves as they wish. Occasionally we have picnics, music, and dancing. We consider the park a *perfect* success, and only regret that we have not *two* such places instead of one, with here and there small nooks, walks, shade trees, seats, etc., where both males and females, accompanied by their attendants, might spend the entire day. As it is, they must of necessity alternate, males in the forenoon and females in the afternoon, and *vice versa*.

By direction of your Board, we have commenced the erection of a greenhouse, the want of which was seriously felt in an institution of this kind.

We hope to make it, not only an ornament to the grounds, but also to make it play an important part in the treatment of the insane. Who can estimate in the influence of pleasant sights and sounds, of flowers and birds, of cheerful paintings, and the soothing influence of music on the harrassed and disordered mind? We wish to surround it with cheerful sights and sweet sounds; to draw off, if possible, the moody, sorrowful mind from itself, and place it on more genial surroundings; and what more potent than nature brought to their wards in beautiful plants and flowers?

The straw-house ordered is also in fair way of completion.

The most pressing want of the Institution is additional furniture, carpets, curtains, etc. We wish to present to the patient a well-furnished apartment, and in so far as possible remove from his mind the fact that he is under lock and key; make it a home for him, and in so doing you immensely assist in his restoration; an easy chair, a comfortable sofa, neat and tidy curtains, tables loaded with pamphlets, books, and daily papers. This is his home, and he is content. With ample additions to the building, and well-furnished halls and apartments, Longview Asylum should be justly the pride of every resident of the county.

I refer with pleasure to the honesty and fidelity of those associated with me. Col. A. M. Robinson was appointed steward at your meeting in July, 1871, and time only tends to confirm me in the wisdom of his selection. He is not only honest, but *faithful and competent*. Of my two assistants, Drs. Raschig and De Witt, it affords me pleasure to recommend them to your honorable body as competent and faithful. The other officers of the household are too well known to require any notice at my hand.

Our acknowledgments are due to Mr. Jacoby, publisher of the *Courier* newspaper (German), for two copies gratis of his paper. Also, Mr. Foulds, postmaster, Cincinnati, for several packages, pictorials, etc., and to Dr. Stanton for like favor. These articles, scattered through the wards, are eagerly sought after by many of the inmates, and are sources of amusement and interest. Would that *we had more such friends*. Here is a fine chance for your philanthropy to exercise itself. A small library would be acceptable in many of the wards—books, *pictorials*, and pamphlets in all. There are many nice little articles of ornament that would be pleasing to the eye, and at the same time relieve the tedium of asylum life, that would not be proper for the State to furnish, and at the same time be acceptable presents from friends.

J. T. WEBB, *Superintendent*.

January 1, 1872.

TABLE NO. 3.—*Showing causes and number of deaths during the year.*

Causes.	Males.	Females	Total.
Apoplexy	3	..	3
Anæmia	4	1	5
Diarrhea	2	..	2
Dysentery	1	..	1
Epileptic convulsions	2	3	5
Heart disease	1	2	3
Maniacal exhaustion	10	6	16
Paralysis (general)	4	1	5
Phthisis pulmonalis	13	2	15
Old age .....	..	2	2
Suicide (by hanging)	1	..	1
Septicæmia	1	..	1
Ulcer, and Perf. Stomach	1	..	1
In articulo mortis	1	..	1
Total	44	17	61

TABLE NO. 4.—*Showing occupation of 2,568 patients.*

Occupation.	Males.	Females	Total.
Agents	3	..	3
Actor	1	..	1
Artists	4	..	4
Artists' wives .....	..	3	3
Architect	1	..	1
Author	1	..	1
Bakers	11	..	11
Barbers	4	..	4
Bankers	3	..	3
Banker's son	1	..	1
Blacksmiths	26	..	26
Boiler-makers	2	..	2
Boatmen	10	..	10
Book-keepers	5	..	5
Book-folder .....	..	1	1
Book-sellers	3	..	3
Book-binder	1	..	1
Brakeman	1	..	1
Brewers	7	..	7
Brick-masons	2	..	2
Brokers	3	..	3
Brokers' wives .....	..	2	2
Broom-makers	6	..	6
Builders	2	..	2
Butchers	13	..	13
Cabinet-makers	22	..	22
Cabinet-maker's daughter .....	..	1	1
Cabinet-maker's wife .....	..	1	1
Carpenters	33	..	33
Carriage-makers	5	..	5
Cattle-dealers	2	..	2
Caulkers	2	..	2
Carver	1	..	1
Cigar-makers	18	..	18

TABLE NO. 4.—*Showing occupation of 2,568 patients*—Continued.

Occupation.	Males.	Females	Total.
Clergymen	7	..	7
Clergymen's daughters .....	..	2	2
Clerks	50	..	50
Clerks' wives .....	..	4	4
Clerks' daughters .....	..	3	3
Coal-heavers	2	..	2
Confectioners	3	..	3
Contractor	1	..	1
Cooks	6	..	6
Coopers	16	..	16
Copper-plater	1	..	1
Copper-smith	1	..	1
Curriers	2	..	2
Coffee-house keepers	7	..	7
Coffee-house keepers' wives .....	..	4	4
Dairyman	1	..	1
Dressmakers .....	..	6	6
Draymen	2	..	2
Drayman's wife .....	..	1	1
Druggists	5	..	5
Druggists' wives .....	..	3	3
Editor	1	..	1
Engineer	5	..	5
Expressmen	2	..	2
Farmers	175	..	175
Farmers' wives .....	..	47	47
Farmers' daughters .....	..	28	28
Farmers' sons	8	..	8
Finishers	3	..	3
Firemen	2	..	2
Freight agent	1	..	1
Furrier	1	..	1
Gardeners	7	..	7
Glass-blower	1	..	1
Glass-cutter	1	..	1
Grinder	1	..	1
Grocers	6	..	6
Grocers' wives .....	..	3	3
Gunsmith	1	..	1
Gunsmith's daughters .....	..	2	2
Harness-maker	1	..	1
Hatter	1	..	1
Hotel-keeper	1	..	1
Hotel-keepers' wives .....	..	2	2
Hotel keepers' daughters .....	..	1	1
Housewives .....	..	361	361
Hostler	1	..	1
Hucksters	5	..	5
Jewelers	2	..	2
Journalist	1	..	1
Laborers	268	..	268
Laborer's sons	2	..	2
Laborers' wives .....	..	53	53
Laborers' daughters .....	..	5	5
Livery stable keepers	9	..	9
Lawyers	13	..	13
Lawyers' wives .....	..	8	8
Lawyers' daughters .....	..	3	3
Locksmiths	3	..	3
Machinists	7	..	7
Mechanics	4	..	4

TABLE NO. 4.—*Showing occupation of 2,568 patients—Continued.*

Occupation.	Males.	Females	Total.
Mechanics' wives.....	..	49	49
Mechanics' daughters.....	..	5	5
Merchants.....	64	..	64
Merchants' wives.....	..	23	23
Merchants' daughters.....	..	11	11
Miller.....	1	..	1
Milliners.....	..	9	9
Miners.....	2	..	2
Molders.....	6	..	5
Molder's wife.....	..	1	1
Musicians.....	2	..	2
Music teachers.....	5	..	6
Nail-maker.....	1	..	1
Nurses.....	..	4	4
Opticians.....	1	..	1
Painters.....	10	..	10
Paper carriers.....	2	..	2
Pattern-makers.....	2	..	2
Peddlers.....	13	..	13
Physicians.....	7	..	7
Physicians' wives.....	..	6	6
Pilot.....	1	..	1
Piano-maker.....	1	..	1
Plane-maker.....	1	..	1
Plasterers.....	3	..	3
Porters.....	3	..	3
Potters.....	2	..	2
Printers.....	8	..	8
Printer's wife.....	..	1	1
Prostitute.....	..	1	1
Public officer.....	1	..	1
Public officers' daughters.....	..	2	2
Rag picker.....	..	1	1
Rope-maker.....	3	..	3
Saddler.....	2	..	2
Safe-maker.....	1	..	1
School teachers.....	12	8	20
School teacher's wife.....	..	1	1
Seamstresses.....	..	59	59
Servants.....	1	254	255
Shoemakers.....	38	..	38
Skate-maker.....	1	..	1
Showman.....	1	..	1
Sisters of Charity.....	..	3	3
Soldiers.....	45	..	45
Soldiers' wives.....	..	3	3
Stone-mason.....	8	..	8
Stone-cutters.....	2	..	2
Stone-cutter's wife.....	..	1	1
Store-keeper.....	..	1	1
Students.....	13	..	13
Tailors.....	32	..	32
Tailors' wives.....	..	3	3
Tanners.....	7	..	7
Teamsters.....	4	..	4
Telegrapher.....	1	..	1
Tinners.....	2	..	2
Tobacconists.....	2	..	2
Traders.....	7	..	7
Trunk-makers.....	2	..	2
Turners of wood.....	4	..	4

TABLE NO. 4.—*Showing occupation of 2,568 patients—Continued.*

Occupation.	Males.	Females	Total.
Undertaker	1	..	1
Upholsterer	1	..	1
Vagrant	1	..	1
Varnishers	2	..	2
Waiter	1	..	1
Wagon-maker	1	..	1
Watch-maker	2	..	2
Watchman	1	..	1
Washerwomen .....	..	10	10
Weavers	2	..	2
No occupation	80	70	150
Unknown	90	154	244
Total	1,341	1,227	2,568

TABLE NO. 5.—*Showing ages of 2,568 patients at the time of their admission.*

Ages.	Males.	Females	Total.
From 5 to 10 years	5	3	8
" 10 " 20 "	111	62	173
" 20 " 30 "	360	378	738
" 30 " 40 "	371	337	708
" 40 " 50 "	277	245	522
" 50 " 60 "	135	117	252
" 60 " 70 "	45	43	88
" 70 " 80 "	18	18	36
" 80 " 90 "	4	3	7
Unknown	15	21	36
Total	1,341	1,227	2,568

TABLE NO. 6.—*Showing social condition of 2,568 patients.*

	Males.	Females	Total.
Single	689	425	1,114
Married	532	536	1,068
Widowed	62	206	268
Unknown	68	60	128
Total	1,341	1,227	2,568

TABLE NO. 7.—*Showing causes of insanity in 2,568 patients.*

Causes.	Males.	Females	Total.
Acquisitiveness.....	1	..	1
Adversity	6	9	15
Anxiety.....	6	4	10
Anger.....	..	1	1
Abuse.....	1	5	6
Apoplexy	5	1	6
Business anxieties	11	1	12
Congenital	30	19	49
Coup de soleil	24	4	28
Change of life.....	..	22	22
Congestive chill.....	..	1	1
Disappointment	3	3	6
Disappointed affections.....	29	56	85
Disappointed marriages.....	1	..	1
Domestic trouble.....	30	93	123
Death of relatives.....	19	60	79
Death of president.....	..	2	2
Disease of the brain.....	9	3	12
Disease of the spine	2	1	3
Enteritis .....	..	1	1
Epilepsy	78	25	103
Exposure and fatigue.....	4	2	6
Fear of draft.....	3	..	3
Fear of want.....	3	1	4
Financial troubles.....	22	2	24
Fever	7	5	12
" bilious .....	..	2	2
" scarlet	2	..	2
" ship .....	..	1	1
" typhoid	23	8	31
" yellow .....	..	1	1
Fright	6	11	17
Fracture of femur .....	..	1	1
Grief.....	8	35	43
Hard study.....	8	1	9
Homicide	3	..	3
Ill health	70	45	115
Intemperance	219	47	266
Injury to head	72	11	83
Imprisonment	7	..	7
Idiot.....	1	..	1
Intestinal worms.....	1	..	1
Jealousy	14	12	26
Joy .....	..	1	1
Loss of property, etc.....	34	16	50
Lactation protracted .....	..	4	4
Lead colic.....	1	..	1
Loss of sleep.....	4	1	5
Lawsuit	1	1	2
Masturbation	135	5	140
Measles	2	2	4
Mechanical injury	2	..	2
Menstruation .....	..	1	1
Menstrual derangement.....	..	32	32
Nervous derangement.....	..	2	2
Nostalgia	10	16	26
Old age.....	5	10	15
Over-exertion	1	3	4
Puerperal condition .....	..	87	87
Pregnancy .....	..	6	6
Political excitement.....	1	..	1
Poverty .....	..	1	1

TABLE NO. 7.—*Showing causes of insanity in 2,568 patients—Continued.*

Causes.	Males.	Females	Total.
Pride mortified	2	..	2
Religious excitement	45	65	110
Rheumatism	3	7	10
Remorse .....	..	1	1
Seduction .....	..	..	13
Seduction of sister	1	..	1
Slander .....	..	10	10
Speculations	1	..	1
Snake bite .....	..	1	1
Spiritualism	2	9	11
Study, excessive	7	2	9
Sexual excitement .....	..	1	1
Syphilis	3	1	4
Tobacco, excessive use of	5	..	5
Uterine derangement .....	..	108	108
Variola .....	..	7	7
War excitement	30	10	40
Want of employment	8	..	8
Woman's rights .....	..	1	1
Unknown	310	307	617
Total	1,341	1,227	2,568

TABLE NO. 8.—*Showing form of diseases in 2,568 patients at time of admission.*

Causes.	Males.	Females	Total.
Delirium	9	..	9
Dementia	168	97	265
" senile	19	13	32
Dipsomania	29	12	41
Epilepsy	86	35	121
General paralysis	33	4	37
Idiocy	19	8	27
Imbecility	36	15	51
Mania, acute	415	352	767
" chronic	317	323	640
" puerperal .....	..	64	64
" hysterical .....	..	17	17
" periodical	5	7	12
Melancholia	184	265	449
Monomania	16	12	28
Nymphomania .....	..	2	2
In articulo mortis	3	1	4
Not insane	2	..	2
Total	1,341	1,227	2,568

TABLE NO. 9.—*Showing causes of all deaths since the opening of the Institution.*

Causes.	Males.	Females	Total.
Apoplexy	14	6	20
Anæmia	6	1	7
Abscess, hepatic .....	..	1	1
Diarrhea, acute .....	..	2	2
" chronic	8	7	15
Dysentery	5	6	11
Debility, senile	2	4	6
" general	1	2	3
Enteritis	1	..	1
Erysipelas	3	2	5
Epileptic convulsions	29	14	43
Congestion of brain	1	2	3
Phthisis pulmonalis	69	96	165
General paralysis	33	8	41
Maniacal exhaustion	25	19	44
Pneumonia, acute	7	3	10
" typhoid	1	..	1
Marasmus	7	5	12
Typhomania	3	4	7
Old age	3	6	9
Fever, typhoid	2	3	5
" puerperal .....	..	1	1
Heart disease	4	2	6
Gastro enteritis	2	..	2
Meningitis	2	..	2
Hepatitis .....	..	1	1
" chronic .....	..	1	1
Peritonitis	1	..	1
Inflammation of bladder and kidneys	1	..	1
Scrofula .....	..	1	1
Injury from a fall .....	..	2	2
Ovarian dropsy .....	..	1	1
Suicide	5	4	9
Septicæmia	1	..	1
Ulcer and perforation of stomach	1	..	1
In articulo mortis	4	1	5
Total	241	205	446

STEWARD'S REPORT.

To Dr. J. T. Webb, Superintendent:

SIR: I herewith present a detailed statement of the receipts and disbursements of Longview Asylum for the current year, ending October 31, 1871.

Respectfully,

A. M. ROBINSON,

Steward.

LONGVIEW ASYLUM.

GENERAL STATEMENT OF ACCOUNT.

To Cash, Balance on hand, November 1, 1870.....	\$1,282 40
To Cash from Hamilton county on Directors' orders	140,000 00
	<u>\$141,282 40</u>
By Cash disbursements during the year,	\$140,391 43
Balance cash on hand October 31, 1871.....	890 97
	<u>141,282 40</u>
To Cash from State—Balance of apportionment of 1870.....	\$16,025 00
To Cash from State, on account of apportionment of 1871.....	18,000 00
To Cash from State, support of Central District patients.....	22,059 19
To Cash from State support of colored insane of State.....	5,678 63
To Cash from pay patients for board, etc.....	8,784 73
To Cash from proceeds of sales at Longview.....	1,667 61
	<u>\$72,215 16</u>

The following amounts have been deposited in the county treasury to the credit of Longview fund:

Amount from State, balance of apportionment of 1870.....	16,025 00
Amount from State, on account of apportionment of 1871	18,000 00
Amount from State, support of Central District patients.....	22,059 19
Amount from State, support of colored insane of State	5,678 63
Amount from pay patients for board, etc.....	8,784 73
Amount from proceeds of sales at Longview.....	1,560 52
Balance Cash on hand October 31, 1871.....	107 09
	<u>\$72,215 16</u>
Amusements	\$389 23
Butter and eggs	5,494 58
Clothing	1,600 00
Coal	8,213 56
Daily papers and postage	334 42

Dry goods.....	\$8,699 60
Employees	22,107 93
Flour	4,716 29
Freights, tolls, and traveling expenses.....	638 76
Groceries	15,436 02
House furnishing	6,029 81
Improvements and repairs	6,702 06
Insurance	631 21
Ice	454 58
Meats, fish and poultry	15,156 05
Machinery and repairs.....	2,377 76
Medicines and surgical instruments.....	3,111 22
Officers' salaries	5,845 66
Produce and vegetables.....	5,418 27
Paints, oils and painting.....	1,905 99
Refunders.....	115 00
Shoes	1,608 22
Straw	789 77
Stationery, books and printing	1,137 71
Stable and dairy.....	8,006 07
Wines, beer, etc	1,300 08
New park	990 35
Wash-house	7,609 19
Straw-house.....	230 50
Green-house	563 77
Heating extra.....	2,610 48
Wagon scales	166 25
	<hr/>
	\$140,391 43

DETAILED STATEMENT OF RECEIPTS.

SALES AT LONGVIEW.

Hannan & Lyons, beef, cattle, etc	\$352 05
Jacob Fritz, beef, cattle, hogs, etc	420 43
Leonard Engel, fat hogs	52 60
G. G. Palmer & Co. empty barrels.....	150 75
A. W. Frank, empty boxes	19 50
J. A. Dyette & Co. empty bottles.....	34 50
Philip Hartman, deposit	185 00
P. & B. Fox, one horse.....	80 00
Frank Clark, two horses	190 00
M. Heister, live buck.....	25 00
John McCall & Co. rags.....	88 18
Thomas Fregesser, rags and old iron.....	38 00
R. S. Boggs, soap grease	25 20
Sundry small items.....	6 40
	<hr/>
	\$1,667 61

DETAILED STATEMENT OF DISBURSEMENTS.

AMUSEMENTS.

J. H. Spills, music for inmates' parties.....	\$174 80
C. H. Jefferson. " "	18 00
Andrew L. Tate. " "	15 00
C. M. Murch, tuning piano	12 00
T. Britting & Bro., repairing violins	8 10
J. A. Stevens, candies for parties	78 33
C. C. Leininger, " "	28 00
Robt. B. Latta, Ice cream for parties.....	46 50
Sundry small items	8 50
	<hr/>
	\$389 23

BUTTER AND EGGS.

J. S. Bennett.....	\$5,343 66
H. B. Whetsel & Son	69 52
Edmund Oberle.....	29 70
J. W. Foote	24 66
B. C. Bonnell.....	12 60
J. W. Henry	6 19
J. Wehmer	3 50
Sundry items.....	4 75
	<hr/>
	\$5,494 58

CLOTHING.

Jacob Gotlieb	\$1,600 00
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COAL.

A. Buchanan, 60,000 bushels.....	\$8,100 00
David Hise, charcoal	65 00
H. H. Lippleman, barrows	24 96
Advertising for coal	23 60
	<hr/>
	\$8,213 56

DAILY PAPERS AND POSTAGE.

John Sweeney, papers	\$67 35
J. E. Ash, papers	52 58
Mrs. H. French, papers	35 10
W. Heart, postage.....	3 04
J. T. Merrell, postage.....	10 00
Steward, postage stamps, papers, etc.....	146 35
J. H. Getzendanner, attorney fee	20 00
	<hr/>
	\$334 42

Executive Documents.

DRY GOODS.

Marshall & Bros.....	\$6,860 47
Buchman, Bros. & Co.....	961 27
L. C. Hopkins	396 71
Bohm, Mack & Co.....	323 15
J. M. Clark & Co.....	100 35
J. Shillito & Co.....	57 65
	<hr/>
	\$8,699 60

EMPLOYES.

Salaries of employees.....	\$22,107 93
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FLOUR.

G. K. Withington & Co.....	\$1,105 09
G. G. Palmer & Co.....	3,045 20
John Beattie & Co.....	566 00
	<hr/>
	\$4,716 29

FREIGHT, TOLLS AND TRAVELING EXPENSES.

J. E. Ash, freight.....	\$124 25
H. H. Lippelman, freight	12 23
Isaac Skillman, freight.....	73 27
Alonzo Dunn, freight	103 51
Spring Grove Avenue, tolls	99 10
J. H. Dumont, tolls.....	3 48
John Herr, buss hire.....	8 00
R. T. Thorburn, to Columbus	30 05
A. M. Robinson, to Columbus.....	23 15
Henry Kessler, to Columbus	25 00
John K. Green, to Columbus.....	25 00
Henry Zopfi, to Columbus.....	10 00
L. Singer, arrest of patient.....	3 00
C. D. Phillips, arrest of patient.....	5 00
Sundry incidental expenses	93 68
	<hr/>
	\$638 76

GROCERIES.

A. A. Colter & Co	\$6,105 75
A. W. Frank	4,059 17
Bishop Bros.....	4,412 63
R. L. Boggs	286 49
Hugh Keown.....	111 92
Procter & Gamble.....	111 57
Charles Brown & Co	348 49
	<hr/>
	\$15,436 02

HOUSE FURNISHING.

W. H. Stevenson, tinware and repairs.....	\$204 87
Kent & Michie, repair of clocks, etc	32 95
G. Henshaw & Sons, furniture	1,332 50
Ellis & Meara, furniture	786 00
J. W. Anderson & Co., furniture	335 00
M. & R. Furniture Co., furniture.....	439 50
Snowdon & Otte, carpets	264 63
L. W. Jones, carpets	16 00
H. Closterman, chairs	16 00
J. B. Habig & Co., coffins	108 00
Fred. Doitker, coffins.....	75 00
J. C. Huntingdon & Co., queensware.....	837 10
Tempest, Brockman & Co., queensware	58 20
C. E. Brockman, queensware.....	13 65
J. Skardon & Son, sewing machine	90 50
P. D. Hunt, brooms.....	157 00
John Hall, brooms.....	8 75
C. O. Curtis, brooms.....	2 60
J. L. Wagner & Son, hardware.....	11 50
J. Shoenenberger, hardware.....	49 95
Rothert & Bros., hardware	14 50
A. M. Dolph, laundry work	542 00
Geo. D. Winchell, tinware	70 50
Fred. Engel, repair tinware.....	3 05
Anton Hospe, picture frames	36 00
A. Lotze & Co., repairs of range.....	19 20
J. Van & Simmons, repairs of range.....	22 00
J. M. Brunswick, repair billiard tables.....	23 85
Benj. Atkins, repair of organ.....	15 00
W. B. Trott, curled hair	139 13
Fred. Gaeff, curled hair	85 24
Bart & Hickcox, rubber cloth.....	18 00
Van Name & Co., patent churn.....	8 50
John Reed, muffs and straps	93 60
R. S. Craig, brushes.....	62 90
Mrs. Brady, portrait of Lincoln.....	25 00
City infirmary, baskets	5 00
Sundry items.....	7 00

 \$6,512 26

IMPROVEMENTS AND REPAIRS.

A. G. Dill, bricklaying	\$1,238 50
R. K. Phillips, bricklaying	54 00
J. R. Bonnell, carpenter work	540 90
W. H. Trump, carpenter work	355 50
T. W. Farron & Co., lumber	980 64
W. M. Cameron & Co., lumber	28 32
Joseph Budd, brick	125 00
J. E. Ash & Co., lime	52 20
Wm. Ricketts, plumbing, etc	867 54
Joseph Foster, free stone work	619 49
Geo. Crawford & Co., lime and cement	259 96
J. Holmes, tile for gas house	66 00
Sylvester Gorman, sand	29 00
Fred. Sandfrom, lime	25 00
M. Clements, iron work	209 50
J. H. Lohr, hardware	136 35
T. Neave & Son, hardware	59 16
J. L. Wayne & Son, hardware	41 40
Rothert Bros., hardware	30 50
J. Shoenenberger, hardware	20 05
A. Lotze & Co., repair range	43 47
Charles Mohr, repair ovens	25 00
John Leinz, locust posts	6 00
Peter Neff, Jr., Agent, telegraph wire	4 50
J. R. Weston, repair lightning rods	10 00
J. C. Dexter, drain pipe	8 67
J. N. Ridgway, measuring pavement	10 00
Aug. Leich, vacation of road	49 05
J. B. Schroeder, locks and repairs	277 51
Hamilton county, on account iron bridge	500 00
Carpenter work, chicken park	28 85
	<hr/>
	\$6,642 06

INSURANCE.

Lafayette Insurance Company	\$75 00
National Insurance Company	200 00
Western Insurance Company	137 50
Citizens' Insurance Company	56 25
Eagle Insurance Company	106 25
Ohio Valley Insurance Company	56 25
	<hr/>
	\$631 25

ICE.

John Felts, cutting and packing.....	\$158 00
Cincinnati Ice Company, for ice.....	208 30
W. H. Lammers, for ice.....	33 88
Dunn & Witt, repairs of ice house	54 40
	<hr/>
	\$454 58

MEATS, FISH AND POULTRY.

Hannan & Lyons, meats.....	\$11,848 65
Jacob Fritz, meats.....	1,306 75
Leonard Engel, meats.....	226 01
John Beattie & Co., meats.....	646 30
G. & J. Bogan, meats.....	137 49
J. Bogan, Jr., & Co., meats.....	4 25
Buckingham & Mathers, meats.....	23 95
Robt. Orr & Co., fish and game	308 17
Hays & Frey, fish and game	241 66
M. A. Donahue, fish and game.....	88 50
J. E. Ash, fish and game	49 72
Hugh Keown, poultry	213 50
F. Heitzman, poultry.....	40 00
Geo. Laughan, poultry	18 10
J. Sears, poultry.....	3 00
	<hr/>
	\$15,156 05

MACHINERY AND REPAIRS.

Wm. Kirkup & Son, steam pipe.....	\$355 99
J. E. Greenwald, iron work	98 21
W. & G. W. Robison, copper work	9 25
T. Southwell & Co., blacksmithing.....	21 75
Tudor Boiler Company, repairing boiler.....	82 68
Wm. Ricketts, plumbing work	291 04
John McLacklin, packing rope	98 58
F. Vonderheid, packing rope	5 04
M. Greenwood, radiators, etc.....	1,102 00
Post & Co., pulley and chain.....	71 00
George Stacey & Co., retort lids.....	14 27
Peter Neff, Jr., Agent, telegraph.....	76 00
J. H. Lohr, hardware.....	135 95
Farran & McLean, adv for heating	16 00
	<hr/>
	\$2,377 76

MEDICINES AND SURGICAL INSTRUMENTS.

John Keeshan, medicines	\$2,747
A. W. Fortmeyer, medicines	138 72
R. Raschig & Bro., medicines	144 95
Bruno Burndt, medicines	1 05
J. C. Baum & Son, disinfectant	32 00
A. Allen & Co., druggist scales	36 00
A. Autenrieth, repair instruments	8 70
Max Woche & Son, repair instruments	2 50

 \$3,111 22

PRODUCE.

M. B. Wilson, potatoes	\$20 75
Wm. Mahan, "	89 00
Jno. Beattie & Co, "	245 25
Hugh Keown, "	1,497 06
J. H. Pendery, "	250 00
N. V. Pennington, "	348 40
Francis Burns, "	40 00
Lewis B. Dunn, "	76 80
Sebastian Obert, vegetables	1,839 75
H. C. Sharpshear, "	27 50
Thomas Hughes, "	23 00
Jacob Webber, "	3 00
Wm. Knott, seeds and plants	65 67
Albert Knewen, " "	20 60
Van San & hopper, peaches	35 45
C. H. Lowe & Sons, "	13 32
Thomas Riley, apples	12 00
John Hall, "	37 40
S. S. Bevis, apples and vinegar	65 25
F. Pentland, green-house sash and plants	92 05
A. Sanburn, Berries	3 90
W. Stickney, "	5 30
Sundry items	6 82

 \$5,418 27

OFFICERS' SALARIES.

Dr. O. M. Langdon, superintendent	\$447 00
Dr. Wm. H. McReynolds, "	1,721 25
Dr. H. E. Foote, assistant physican	355 20
Dr. A. P. Courtright, " "	875 00
Dr. William Raschig, " "	175 00
R. T. Thorburn, steward	960 54
Louisa W. Jones, matron	411 67

Longview Asylum.

707

John Burgoyne, director's expense.....	\$300 00
J. H. Bates, " "	200 00
John K. Green, " "	200 00
Joseph Siefert, " "	200 00

\$5,845 66

PAINTS, OILS AND PAINTING.

John Keeshan, paints, oils, etc.....	\$1,005 00
Wm. R. Cox, " " "	457 78
T. Allen & Co, " " "	16 55
Charles Wiltz, painting	335 66
John McGinn, "	91 00

\$1,905 99

REFUNDERS.

John Keegan, paid in advance.....	\$50 00
R. T. Thornburn, cost in suit	40 00
A. M. Robinson, note turned over	25 00

\$115 00

SHOES AND BOOTS.

Phipps, O'Connel & Co	\$1,151 65
J. Simpkinson & Co	233 50
Frederick Pfister	138 00
Michael Eckert.....	50 86
Easton & Roberg.....	34 21

\$1,608 22

STRAW.

Henry Fox.....	\$433 43
Green Bodkin	147 34
Walter Scott	106 41
J. R. Edwards.....	27 80
G. W. Towbridge.....	24 12
H. M. Skillman.....	21 87
E. Newell	19 08
N. V. Pennington.....	9 72

\$789 77

STATIONERY, BOOKS AND PRINTING

Robert Clarke & Co	\$712 86
W. S. Thorburn	309 85
Strobridge & Co.....	115 00

\$1,137 71

STABLE AND DAIRY.

T. Southwell & Co., Blacksmithing.....	\$331 80
Wm. Russell, shoeing horses.....	119 55
Albert Knewen, shoeing horses.....	60 94
John Reid, harness and repairs.....	449 65
Miles Forbes, repairing wagons.....	319 75
Frank Clark, one barouche.....	375 00
S. D. Gear, spring wagon.....	200 00
John Beattie & Co, oats and meal.....	1,891 48
Matthew Smith, horse feeding.....	236 00
Barney Risenberg, feed.....	894 77
G. G. Palmer & Co., feed.....	136 26
William Gers, hay.....	31 81
R. Pendery, ".....	187 91
A. C. Bolser, ".....	54 05
Henry Fox, ".....	14 92
J. H. Pendery, ".....	277 73
John Hall, ".....	326 90
N. V. Pennington, sheaf oats.....	22 05
C. Howell, carts and repairs.....	263 50
Peter Murray, carriage hire.....	70 00
E. Ferguson, straw cutter and plow.....	40 00
Thomas Moran, 2 carriage horses.....	450 00
Hannan & Lyons, 1 horse and 4 cows.....	510 00
George J. Cooper, 2 cows.....	140 00
George Yergus, 4 cows.....	220 00
L. Limbler, 4 cows.....	200 00
N. V. Pennington, 1 cow.....	80 00
J. W. Mack, 1 cow.....	60 00
John Hall, 1 bull.....	30 00
J. Wilder, & Co., 1 blanchard churn.....	8 00
N. Krohmer, castrating hogs.....	6 00
	<hr/>
	\$8,006 70

WINE AND REER.

Gambrinus Co., beer.....	\$332 50
J. A. Dyette & Co., beer.....	103 38
George Bogen & Son, wine.....	104 25
F. Helfrick, wine.....	128 20
E. Culman & Co., wine.....	9 00
Walsh, Brooks & Co., whieky.....	63 25
H. Hauck & Co., crab cider.....	33 00
J. C. Flack, crab cider.....	26 50
	<hr/>
	\$1,300 08

NEW PARK.

T. W. Farran, agent, lumber.....	\$814 16
E. Ferguson, post digger.....	4 00
Carpenters and laborers.....	172 19
	<hr/>
	\$990 35

WASH HOUSE.

Henry Cilley, stone delivered.....	\$273 25
John Ketterman, masonry.....	356 28
J. E. Ash & Co., lumber.....	469 11
T. J. Farran, agent, lumber.....	535 67
M. Greenwood, on account iron work.....	1,000 00
Joseph Foster, on account freestone.....	500 00
Dunn & Witt, roofing.....	905 05
William Rickets, steam pipes.....	64 75
W. R. Cox & Co., glass and setting.....	252 12
J. B. Schroeder, locks and hardware.....	23 87
John Pfaff & Co., Oils, etc.....	89 23
William Muller, lime.....	40 00
Robert Alcorn, sand.....	65 00
Elizabeth Moore, plasterer's hair.....	2 90
Terrence Morgan, use of paulins.....	45 00
H. Deubel, freight on iron joice.....	8 00
R. B. Moore, measuring stone.....	10 00
Mechanics and laborers.....	1,552 99
Queen City Wringer Co., 4 power machines.....	1,246 00
J. Thompson & Co., belting, etc.....	112 82
T. Southwell, blacksmithing.....	57 15
	<hr/>
	\$7,609 19

EXTRA HEATING.

Wm. Kirkup & Son, radiators and steam pipe.....	\$2,478 53
T. W. Farran, agent, lumber.....	56 25
Mechanics and laborers.....	75 70
	<hr/>
	\$2,610 48

GREEN HOUSE.

Henry Cilley, stone delivered.....	\$200 00
J. E. Ash & Co., lumber and lime.....	58 72
Robert Alcorn, sand.....	8 00
Mechanics and laborers, masonry, etc.....	297 05
	<hr/>
	\$563 77

STRAW HOUSE.

C. V. Bechman, plans and specifications.....	\$120 00
John Ketterman, on account masonry.....	50 00
Joseph Baldwin, on account carpenter work.....	25 00
Robert Alcorn, sand.....	12 00
Advertising for proposals.....	23 50
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	\$230 50

WAGON SCALES.

Huddart & Rigdon, scales.....	\$145 00
John Ketterman, masonry.....	21 25
	<hr/>
	\$166 25

MALE EMPLOYEES.

Name.	Compensation per month.
D. H. Stickney, engineer.....	\$150 00
John Wagner, plumber.....	50 00
Thomas Manning, gas maker.....	45 00
George Zacharias, baker.....	40 00
John Clarkin, store keeper.....	35 00
Frank Knapp, fireman.....	45 00
Lewis Helfrick, fireman.....	35 00
Henry Fieg, fireman.....	30 00
James Saffin, Jr., supervisor.....	83 33
Edward Barret, attendant.....	35 00
Thomas Lowry, ".....	35 00
August H. Roos, ".....	35 00
John J. Logan, attendant.....	\$30 00
Henry Horrman, ".....	30 00
William Kersting, ".....	30 00
James Fitchett, ".....	25 00
John Buerkner, ".....	25 00
John H. Armstrong, ".....	25 00
Thomas Goddard, ".....	25 00
George Habig, ".....	20 00
William Zangerle, ".....	20 00
Joshua Boston, ".....	22 00
Frederick Hausen, ".....	20 00
J. W. Green, ".....	18 00
Henry Lorschach, watchman.....	35 00
Lewis Kessler, cook.....	40 00
Henry Balzer, ".....	25 00
Michael Callaghan, cook.....	20 00
Albert Kneeven, teamster.....	30 00
Patrick Carroll ".....	30 00
James Dick, gardener.....	40 00
James Carver, farmer.....	35 00
John G. Diestler, labor.....	35 00
Evans Hana, ".....	25 00
Robert Middleton ".....	20 00
W. T. Bachelor, laundry.....	30 00
Arthur Kelley, ".....	20 00
Robert Lister, porter.....	20 00
William Steel, book-keeper.....	100 00
Walter Halsey, carpenter.....	\$3 per day

FEMALE EMPLOYEES.

Name.	Compensation per month.
Martha L. Howard, supervisor	\$25 00
Mary Johnson, attendant	25 00
Mary J. Henry, "	22 00
Eliza Schulthess, "	20 00
Sue C. Jones, "	20 00
Annie Armstrong, "	20 00
Annie Richardson, "	20 00
Maggie L. McLure, "	18 00
Mary Greenan, "	18 00
Jane Rice, "	18 00
Miranda Marvin, "	18 00
Rebecca Hancock, "	16 00
Lizzie Hauck, "	16 00
Mary Miller, "	14 00
Jeanie Gordon, "	14 00
Adele Kummick, "	14 00
Jennie Martin, "	14 00
C. E. Morse, housekeeper	25 00
Ella Greenan, seamstress	25 00
Sophia J. Hott, laundress	25 00
Charlotte Hott, "	20 00
Maggie Durand, "	18 00
Caroline Lorsback, watchwoman	20 00
Hannah Walsh, cook	20 00
Mina Goetz, chamber	14 00
Mary Taffe, "	14 00
Lizzie Mucche, dining-room	15 00
Fredericka Bernitt, "	14 00
Bridget Farrell, dairy	18 00

FIFTEENTH ANNUAL REPORT
OF THE
TRUSTEES AND SUPERINTENDENT
OF THE
OHIO STATE ASYLUM
FOR THE EDUCATION OF
IDIOTIC AND IMBECILE YOUTH,
TO THE
GOVERNOR OF THE STATE OF OHIO,
FOR THE YEAR 1871.

49—Ex. Doc. Pt. I.

OFFICERS OF THE INSTITUTION.

HON. N. S. TOWNSHEND, M.D., - - AVON, O.
J. A. LUTZ, Esq., - - - - CIRCLEVILLE, O.
HON. P. HITCHCOCK, - - - - BURTON, O.

SUPERINTENDENT,
GUSTAVUS A. DOREN, M. D.

MATRON,
MISS HARRIET F. PURPLE.

ASSISTANT MATRON,
MISS LIDA SPRINGER.

HOUSEKEEPER,
MISS SARAH HUSTED.

TEACHERS :
MISS EMMA WILSON,
MISS M. E. EMERSON,
MISS M. E. CLIFT,
MISS CORA JACKSON,
MISS ALICE HOLT,
MISS JEANETTE FOLLETT,
MISS ANNA SPRINGER.

OHIO STATE ASYLUM FOR IMBECILES,

Columbus, O., Nov. 15, 1871.

To his Excellency RUTHERFORD B. HAYES, *Governor of Ohio :*

The Trustees of the Ohio State Asylum for Imbecile Youth, have the honor of transmitting herewith the Fifteenth Annual Report of the Institution, and ask of you that the same be laid before the General Assembly.

Very respectfully,

Your obedient servant,

P. HITCHCOCK,

For the Board of Trustees.

REPORT OF TRUSTEES.

To the Honorable, the General Assembly of the State of Ohio :

The Trustees of the Ohio State Asylum for Idiots make to you this their fifteenth annual report :

The average number of children cared for during the year has been about two hundred. The number now in, two hundred and thirty, makes us nearly full--two hundred and fifty being our utmost capacity.

With so large a number, made up from such a class, it might be expected there would be much of sickness and frequent deaths. From this, as will be seen by the report of the superintendent, there has been wonderful exemption during the past year, and we have much cause of grateful acknowledgement for the general good health during the year of all those connected with the institution.

The care and training of these children calls upon all those engaged in it for most arduous and self-denying labors.

It is with pleasure we again speak of the manner in which these labors are performed by all employed. The earnest purpose and energy of the superintendent; the efficiency of the matron and housekeeper, with their assistants; the untiring patience and devotion of the teachers; the care of attendants and faithfulness of employes, we cannot too highly commend. All these we find industriously and harmoniously working together in the interest of the institution, and for the comfort, happiness and improvement of those under their charge.

The labors of the superintendent, Dr. G. A. Doren, in connection with the improvements mentioned in a subsequent portion of this report, call for special notice. Selected by us to superintend this work, he has discharged the trust to our entire satisfaction, and by his activity and thorough attention has secured the work to be well done and rapidly prosecuted towards completion.

The results following the complete occupancy of our building, with its enlarged facilities for classification and training, fully justify our anticipations of the relatively greater good to be accomplished in the education and improvement of these unfortunate children.

The friends of the institution must, as appears to us, be more and more satisfied with the good resulting from its work. Not only are children here fed and sheltered, provided with a home and its comforts, but carefully trained in habits of industry and usefulness, and fitted to go out into society not as victims, and afterwards as perpetrators of crime, not as burdens upon, but as helpers in that society.

The General Assembly at its last session, apparently recognizing this fact and the need of additional facilities, made appropriation for new boilers, boiler-house, additional laundry, shop and dormitory rooms, together with a building for hospital purposes.

From the late hour at which this provision was made, and the time necessarily occupied, under the law, in advertising, etc., the season was far advanced before contracts for the work were entered into. The smallness of the appropriation, in proportion to the work to be done, was also another serious hindrance. All the first bids made exceeded the estimates, and it was only by securing a reduction in each case that we could enter into contract.

Could we have immediately commenced the work without delay for advertising, much expense would have been saved, as at that time lumber and other material was much cheaper than at the time contracts were made.

These improvements are all, at the date of our report, well advanced. Buildings nearly under roof; boilers in place; dormitory in laundry building ready for the plasterers, and, if favorable weather continues, it is confidently expected that by the time of your assembling on the first of January, the whole will be completed for occupancy.

For heating, lighting and furnishing these buildings, no appropriations were made, and items for these purposes are found in our table of estimates. It is intended, as far as possible, to do the necessary work with labor connected with the Institution. For this reason, estimates are placed at the lowest point, and we ask that appropriations be made at the earliest possible day.

These additions will largely increase our capacity, at the same time that they add to the facility of caring for those received. Our hospital building will furnish a place for those, who, from contagious disease or any physical or mental condition, are unfit for association with the other children, but require isolation, at the same time that it adds to the capacity of the Institution in exact proportion to the number it accommodates.

We regret being compelled to ask any addition to the amount of appropriation for general expenses, but our increasing numbers makes it necessary.

With the additions before referred to, we shall have room for more than three hundred children, and experience teaches us that this number will be reached only too soon.

It should be borne in mind that this Institution, in its occasion for expenditure, is more like the lunatic asylums than other benevolent institutions of the State. For instance, the deaf and dumb and blind have their vacations of two or three months in each year, when their households are largely reduced and daily expenditures lessened.

We are obliged to keep at work with a corps of assistants during the entire year. This is each year becoming more and more the case, and will be still more so, as from this time by action of the General Assembly at its last session, all children are to "be maintained and educated free of charge, except for clothing." The result of this will be that while we endeavor to secure a vacation by sending to their friends as large a number as may be, there will, at all times, be a larger number remaining than heretofore. Many of these children are from orphan asylums and county infirmaries, having no homes to which they can be sent for vacation.

While there are these difficulties, we cheerfully invite investigation of our accounts, trusting to being able to show as economical administration and as low rate per capita as any other like institution in the State or country.

The larger estimate for salaries is for an increase in number of teachers, made necessary by the increased number of children.

For some little time past, and especially during the excessively dry weather of the past season, we have been somewhat embarrassed by the scant supply of water. This we sought to remedy by the purchase of a few acres of land adjoining our northwest corner, thus securing a large spring, and at the same time straighten our west line desirable for reasons hereafter given. This the owner refused to sell, although he would sell the whole tract on reasonable terms.

After trying a number of expedients as a final resort, a large well was sunk at the edge of the bank north of the building. This, from the nature of the ground, proved quite an expensive undertaking, but resulted in securing what we think will prove an abundant supply of water.

The digging of this well, erection of a hay barn, and some other improvements unavoidable and necessary, paid for out of the fund for general expenses, have encroached somewhat upon that fund, and made our expenses per capita larger than they otherwise would have been.

In our table of estimates is an item for payment for land. The General Assembly, at its session in 1870, authorized the purchase of a piece of land adjoining the Asylum grounds, to be paid for out of receipts from

paying pupils. At the last session, the change before referred to was made, relieving all from paying after the close of the present fiscal year. Thus the revenue from which to make this payment is stopped, and this appropriation is asked to supply the deficiency.

We are also compelled to ask a partial appropriation for general expenses early in your session, as the balance on hand will not carry us to the time of passing the General Appropriation bill.

In the original estimates for the laundry building, nothing was included for plastering; but as the plan was afterwards changed, and the upper story is to be used as a dormitory, it is important that it be plastered. We therefore insert an item for this purpose.

We have estimated that the additional amount of two thousand five hundred dollars will be necessary to finish our hospital building, and we have inserted an item for this amount.

The Board of State Charities, in its annual report for the years 1869 and 1870, urged upon the General Assembly the importance of providing, in connection with the Institution under our charge, for all indigent imbeciles of the State. We are informed by the Board that this subject will be again pressed upon your attention at your coming session.

There is a class of young persons too old for the improvement contemplated in the law establishing our Institution, as well as others, who from epilepsy or other difficulties, are unfitted for reception, that are being constantly urged upon us, saying nothing of older persons, for whose care and comfort, humanity demands that some provision be made. Information gained by repeated inquiry in all parts of the State, show to us that there are large numbers of such.

As to whether their care shall be undertaken in the way suggested by the Board of Charities, and where if at all we make no suggestion.

The additional tax upon time, and burden of responsibility to be borne in connection with it, we certainly would not invite, at the same time we would not shrink from it if imposed upon us.

We would only urge that, in whatever is done, the primary object, the training and elevation of the improvable portion of this class should not be lost sight of. In other words, that the identity of the present Institution as a school for feeble minded youth be maintained.

Should the General Assembly determine upon making more extended provision for this class of unfortunates, we have no doubt it can be more economically done, in both the erection of buildings as also in expense of administration afterwards, in connection with the present Institution, than in any other way.

We do not ask that any additional purchase of lands be made, but

should the plan of extension above spoken of be carried out, more would be required. We have now a reasonable quantity of land, but none too much for present wants. Less would not insure proper isolation, sufficient pasturage for cows, growth of grain and other feed for stock, and opportunity for exercise to the inmates, together with out door employment for the boys, teaching them to labor and insuring the health and better physical condition of all. Should the plan of the Board of State Charities be adopted, more land would be required to furnish room and employment to such adult imbeciles as could labor to advantage.

On the south-east of the premises owned by the State, are some twenty-three acres of land, which, if purchased, would leave the Asylum property surrounded on three sides by public avenues, while on the west is a tract of seventy acres which would straighten the line, and by opening of an avenue upon the land owned by the State, leave the property entirely surrounded by public roads, and thus completely isolated. There is also a tract of fifty-five acres east of the lands owned by the State, which would be, in some respects, more desirable than that upon the west. Either or all of these tracts can be purchased at reasonable rates, and if the General Assembly contemplates making the extension spoken of, we would advise that the State secure them at an early day.

In anticipation of the probability of the suggestion of the State Board of Charities being adopted, we have caused to be prepared plans and specifications for buildings, sufficient for the accommodation of six hundred persons, at an expense in the aggregate for construction and furnishing, not exceeding two hundred dollars per capita. These plans, contemplate the erection of a series of cottages, any portion of which can be commenced and carried forward without being dependent upon the rest. These plans will be laid before you at an early day.

Sensibly alive to the promptness and liberality with which the General Assembly has heretofore responded to applications for aid of this class of the State's unfortunate ones, we commit their interests into your hands.

The following is our exhibit of receipts and expenditures for the past year, and our estimates of the requirements of the Institution for the year ensuing:

RECEIPTS.

General Expenses.

Balance on hand November 15, 1870	\$12,000 00
Appropriation, May 2, 1871.....	35,000 00
	<hr/>
	47,000 00

DISBURSEMENTS.

General expenses	\$39,421 22
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RECEIPTS.

Salaries, balance on hand November 15, 1870	\$685 03
Salaries, appropriation May 2, 1871	4,100 00
	<hr/>
	4,785 03

DISBURSEMENTS.

Salaries	\$4,101 50
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NEW BUILDINGS, BOILERS AND FENCING.

Receipts.

Whole amount appropriated May 2, 1871	\$16,000 00
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DISBURSEMENTS.

1871—June 24. R. B. Adams, lumber and posts	\$651 16
June 29. Hershisier & Adams, lumber	1,091 48
Sept. 26. Hall & Fornoff, brick and cut stone work	2,016 00
Oct. 3. F. Erfort, stone work on foundation walls	1,074 20
Nov. 1. Hall & Fornoff, brick and stone work	1,140 00
Nov. 1. E. B. Armstrong & Co., galvanized iron work	570 00
Nov. 15. H. Tarbell, on account of boilers	1,500 00
Nov. 15. Hall & Fornoff, brick and cut stone work	2,668 52
	<hr/>
	\$10,711 36

ESTIMATES.

General expenses, including provisions, necessary current expenses and repairs.	\$45,000 00
Salaries	5,900 00
Ice, milk and meat house	1,200 00
Sewerage	1,500 00
Finishing hospital	2,500 00
Furniture	2,000 00
Steam fitting and plumbing	2,500 00
Plastering laundry buildings and dormitories in same	700 00
To pay for land purchased	4,000 00

N. S. TOWNSHEND,

J. A. LUTZ,

P. HITCHCOCK,

Trustees.

SUPERINTENDENT'S REPORT.

OHIO STATE ASYLUM FOR IMBECILE YOUTH,
COLUMBUS, Nov. 15, 1871.

To the Board of Trustees :

GENTLEMEN—In presenting to you the Fifteenth Annual Report of this Institution, we take great pleasure in being able to announce a year of uninterrupted prosperity. The health of the inmates has been good, no epidemic more severe than mumps having invaded the household. Only one death has occurred since the date of last report, being the first in nearly a year and a half. The cause of death in this instance was tubercular disease of the bowels.

There are now in the Institution 231 pupils. This number will be increased to 250 before the first of January, and further increased to 300 as soon as the improvements now in progress can be made available.

Since the last Annual Report 77 have been admitted. One has died, and 19 have been discharged. Of the latter, eight were discharged improved; three are now engaged in remunerative employ; one her parents thought sufficiently improved to attend common school; one was discharged on account of epilepsy, and six are retained at home temporarily.

In referring to the improvement of our pupils, it is quite difficult to express all in words, their conditions are so varied upon admission—many exhibiting physical disorder as well as mental weakness. Success in their training invariably involves the preliminary treatment of these various conditions. Thus the Institution embraces, in the majority of cases, the purposes of both a school and a hospital. Matters of the simplest knowledge, which ordinary children acquire, even in infancy, without the aid of a teacher, or merely by the natural use of the physical senses acting upon their memory and powers of generalization, and furnishing them with a basis of further advancement, have been missed by this class entirely, and must be supplied by the most patient and careful training. But the whole number under treatment here have given evidence of improvement, and in many instances have more than fulfilled the most sanguine expectations of friends. We have endeavored, as far as possible, to second the careful training of the school-room by equally careful efforts to develope in our pupils habits of industry and love for productive labor. In this we lack,

to some extent, facilities for offering to our children that incentive which is prominent in all—the hope of gain, and the love of an equivalent (or deserved) return for exertion. But, as a rule, they are cheerful workers, and effective ones, as our list of products will show. A large number of them have been regular workers—equal, at many seasons, to one-fourth of the entire number of children in the Institution. In alluding to this subject heretofore, we have mentioned the fact of this being a *department* of our educational system, and we are anxious that this should not be lost sight of. It is an exceedingly valuable auxiliary in all cases, and as such is used. Many of our pupils bear the regular drill and training of the school-rooms indifferently, after a life of perfect freedom from discipline and restraint. To such labor is a congenial change, and the mental activity thus induced is very advantageous.

The products of our farm and garden have been, for the past season, as follows :

Corn	3,660 bushels.
Oats	925 "
Hay	60 tons.
Potatoes—Irish	388 bushels.
" Sweet	53 "
Tomatoes	116½ "
Turnips	53 "
Beets	14 "
Sweet corn.....	90 dozen.
Bunch beans	7½ bushels.
Lima "	15½ "
Onions—green.....	915 bunches.
" dry.....	11 bushels.
Pumpkins and squash.....	1,440.
Radishes	36 bunches.
Carrots	11 bushels.
Spinach.....	6½ "
Oyster plants.....	10 "
Lettuce	56 bunches.
Strawberries	13½ bushels.
Asparagus	45 bunches.
Celery	2,500 "
Rhubarb	75 "
Pickles.....	9 bushels.
Cucumbers	37½ "
Peas	83 "

Every possible effort has been made to improve the farm and garden: but to secure the greatest productiveness, by the smallest proportionate outlay, 230 rods of tile-drain has been made, and with such manifest benefit to the land that we think that the system should be pursued until the entire farm is effectively under-drained.

Some waste has resulted from insufficient storage for our crops and want of shelter for stock during severe weather. To a certain extent this want has been met by the hay barn that we have put up during the summer. It is entirely filled with hay in the upper part, and will accommodate the most of our stock below.

We have had great anxiety during the year about our water supply, the prolonged drouth of the last two seasons having so diminished the quantity discharged from our springs as to reduce it below our actual wants. In August we could postpone plans for increasing the supply no longer ; for, with an exceedingly scant supply for the day, we would have none for the night, and be without protection against fire. Many expedients were resorted to, but we were finally compelled to sink a well at what seemed the most promising point, though our experience of three years ago, in constructing a reservoir near by, had taught us was full of difficulty. But if our anticipations in regard to the difficulties were fully realized, our most sanguine expectations in regard to the quantity of water were also fully met, for we now have a well 12 feet in diameter, fed by strong springs, which promises an abundant supply. In this, however, we may be as completely disappointed as we were in the recent failure of our springs ; and, for this reason, I trust that there may be such legislation as will enable those in charge of this Institution, in the future, to bring what is required from the river, which is not far distant, as the same risk to health, and life, and property should not be again incurred, if it can be avoided by prudent foresight or timely provision. To the pumping machinery of the Institution, which never was adequate to our wants, it has also been found necessary to make additions, and we are now not only able to raise sufficient water for our wants with greater economy of time and fuel, but feel greater security against fire.

The drainage from our laundry has been permitted, heretofore, to follow the ravine at the rear of the Institution, owing to the formidable cut necessary to carry it to the main sewer from the Institution. Notwithstanding the most careful efforts to disinfect the line of this drain, it became exceedingly offensive, and, we feared, might be a source of positive disease. We felt that it should be no longer risked, and, accordingly, changed its course by putting in a sewer from the laundry, and have made it of sufficient size to drain not only that building, but the hospital. Other work of this kind is necessary as a preventive of disease, and having had some instructive lessons in the subtlety of sewer air as a source of ill-health, we feel that the warnings have been sufficiently plain to us to profit by them. The details of these changes will be fully explained upon the grounds. So important are these matters

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The products of our farm and garden have been, for the past season, as follows :

Corn	3,660 bushels.
Oats	825 "
Hay	60 tons.
Potatoes—Irish	388 bushels.
" Sweet	86 "
Tomatoes	116½ "
Turnips	53 "
Beets	18 "
Sweet corn	208 dozen.
Bunch beans	7½ bushels.
Lima "	18½ "
Onions—green	915 bunches.
" dry	11 bushels.
Pumpkins and squash	1,440.
Radishes	396 bunches.
Carrots	11 bushels.
Spinach	67½ "
Oyster plants	10 "
Lettuce	856 bunches.
Strawberries	15½ bushels.
Asparagus	48 bunches.
Celery	2,800 "
Rhubarb	77 "
Pickles	9 bushels.
Cucumbers	37½ "
Peas	83 "

Every possible effort has been made to improve the farm and garden ; but to secure the greatest productiveness, by the smallest proportionate outlay, 230 rods of tile-drain has been made, and with such manifest benefit to the land that we think that the system should be pursued until the entire farm is effectively under-drained.

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that I think they should not be deferred a moment, and that until they are completed our entire household is in jeopardy.

In the house, the wood-work in the halls and dining rooms, has been grained and varnished, which proves to be very economical, saving labor in washing, and paint from the action of soap and brushes. All of the wood-work in the house should be finished in the same way for the same reason.

We have been much hampered for rooms in which we could instruct our children, in such industrial occupations as are adapted to their capacities. During the year, the number of inmates has so increased, that the rooms temporarily assigned to that purpose, have been appropriated to the more urgent need for sitting-rooms and school-rooms. The difficulty has been met temporarily, by sub-dividing our gymnasium, which gives us a large room, but it has encroached too much on that department, and is not regarded as a permanent arrangement. Other rooms, better adapted to our necessities in this respect, should be supplied immediately. It was hoped that the improvements now in progress would, to some extent, relieve us in this particular, but every available space will be taxed to the utmost for the accommodation of pupils, as soon as the buildings can be occupied.

Since the occupation of the present building, much inconvenience has been experienced from the limited capacity of our laundry. This difficulty will be fully overcome by the occupancy of the rooms now being added to that department. In constructing these, the possibility of future enlargement, so that the capacity of the department may at all times be made to correspond with our wants has been kept in view. Much work in the way of repairs, always needed in an Institution of this character, can be done hereafter in the shops that have been provided by this improvement. We have also secured additional dormitories, sitting-rooms, bath-rooms, closets, etc., for about forty of our larger boys, who are being trained to out door labor.

The hospital building, we trust, will be ready for use about the first of January, and will increase the accommodations of the establishment to the number of seventy, with the necessary bath-rooms, closets, etc. In this building it is not only designed to accommodate all cases of acute diseases in a part assigned to that class of cases, but also to separate, from the rest of the family, the more feeble of our inmates, who can not be associated with the balance with any advantage to themselves, but when so associated are a positive injury and disadvantage to the others. The more thorough the classification, the more satisfactory will be the results attained.

The extensions to the boiler-house have been completed, and the same calculations have been made here for the future probabilities and wants of the Institution. All of this work has been performed in a good and substantial manner, and with an earnest desire to secure the greatest amount of room and comfort that was possible with the means under control. Excluding the amounts paid for the laundry and its purposes, the additional accommodations secured do not exceed in cost the sum of one hundred dollars per pupil, including all the necessary rooms in addition to dormitories for attendants, etc.

The additional battery of boilers provided for has been furnished by Mr. H. Tarbill, of this city, and have every appearance of superior workmanship and material. We have not been able, as yet, to test them, but expect to do so soon. Their heating capacity will undoubtedly be sufficient, not only for the original buildings, but also for the recent additions.

The following is a statement of the receipts and disbursements, with estimates for the ensuing year :

RECEIPTS.

General Expenses—Balance in treasury to credit of general expenses, November 15, 1870.....	\$12,000 00
Appropriation May 2, 1871.....	35,000 00
	<hr/>
	\$47,000 00

DISBURSEMENTS.

General expenses.....	\$39,421 22
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RECEIPTS.

Salaries—Balance in Treasury November 15, 1870.....	\$685 03
Appropriation May 2, 1871.....	4,100 00
	<hr/>
	\$4,785 03

DISBURSEMENTS.

Salaries	\$4,101 50
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NEW BUILDINGS, BOILERS AND FENCING

Receipts.

Whole amount appropriated May 2, 1871.....	\$16,000 00
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DISBURSEMENTS.

June 24, 1871—R. B. Adams, lumber and posts.....	651 16
June 29, " Hershisier & Adams, lumber.....	1,091 48
Sept. 26, " Hall & Fornoff, brick and cut stone work.....	\$2,016 00
Oct. 3, " F. Erfort, stone work on foundation walls.....	1,074 20
Nov. 1, " Hall & Fornoff, brick and cut stone work.....	1,140 00
" " E. B. Armstrong & Co., galvanized iron work.....	570 00
" 15, " H. Tarbell, on account boilers.....	1,500 00
" " " Hall & Fornoff, brick and cut stone work.....	2,668 52
	<hr/>
	\$10,711 36

ESTIMATES.

General expenses, including provisions, necessary current expenses and repairs.....	\$45,000 00
Salaries	5,900 00
Ice, milk and meat house.....	1,200 00
Sewerage	1,500 00
Furnishing hospital.....	2,500 00
Furniture	2,000 00
Steam fitting and plumbing	2,500 00
Plastering laundry building and dormitories in same.....	700 00
To pay for land purchased.....	4,000 00

There has been received, since the date of the last annual report, three thousand seven hundred and ninety-one dollars and one cent from paying pupils, and that amount has been applied to the payment for land, authorized to be purchased by the Legislature.

Respectfully submitted,

G. A. DOREN,
Superintendent.

APPENDIX.

Ohio State Asylum for Idiots—Payments for General Expenses.

Date.	To whom paid.	On what account.	Amount.
1870—Nov.	30 C. L. Hill	48 barrels apples.....	\$168 00
	30 C. Hayes.....	Rubber blankets, &c.....	59 62
	30 Ohio Tool Co.....	Belting, &c.....	66 32
	30 Union Car & Omnibus Co.....	Wheel boxes.....	7 35
	30 Gilchrist, Gray & Co.....	Dry goods.....	5 85
	30 James Donley.....	Wages on account as laborer.....	20 00
	30 F. Fleming.....	Stone and labor of team.....	119 63
	30 M. B. Bateham.....	21 barrels apples.....	56 34
	30 Fred. Parlinger.....	Tuning and repairing piano.....	3 00
	30 H. R. Phelps.....	1 organ.....	140 00
	30 Sargeant & Hawson.....	Eggs.....	3 00
	30 John Jones.....	22 days as carpenter.....	52 50
	30 Richard Jones.....	23 " ".....	52 50
Dec.	3 J. A. Rea.....	Chairs.....	31 75
	3 Columbus Sewer Pipe Co.....	Sewer pipe.....	32 30
	3 B. K. Bliss & Son.....	Garden seeds.....	10 00
	3 John G. Doren.....	Printing.....	70 00
	3 James Fippins.....	Poultry.....	10 00
	10 American Express.....	Freight.....	1 85
	10 A. A. Will & Co.....	Patent burners.....	2 30
	10 American Express.....	Freight.....	6 85
	14 H. C. Post.....	Fish.....	16 30
	14 Wm. Monypenny.....	95½ bushels oats.....	38 37
	14 John Greenleaf & Co.....	Dry goods.....	78 77
	14 Ohio State Journal.....	Advertising.....	10 50
	14 W. A. Mahony.....	Apples, &c.....	48 27
	14 A. E. Davis.....	Hats.....	26 75
	14 H. Fitch & Sen.....	Oats and corn.....	25 65
	14 Charles Huston.....	Drugs.....	8 00
	14 F. Fay.....	Bulbous roots.....	16 00
	14 Robert Clarke & Co.....	Books.....	92 45
	14 D. McAllister.....	Bran and shorts.....	127 10
	14 Gilchrist, Gray & Co.....	Cotton yarn.....	1 60
	14 Wm. Clift.....	2 months' wages as assistant.....	50 00
	15 R. Sinclair.....	Meat.....	255 05
	15 J. Silger.....	Labor, husking corn.....	11 25
	15 R. B. Adams & Co.....	Lumber.....	50 68
	15 Small expenses, &c.....	October and November.....	22 63
	15 J. S. Cromwell.....	Poultry.....	15 00
	15 James Donley.....	Wages as laborer.....	20 00
	15 G. S. Grate.....	3 days repairing engine.....	9 00
	15 John Jones.....	18 days labor as carpenter.....	45 00
	15 Richard Jones.....	18 " ".....	45 00
	19 Geo. W. Miller.....	22 days as laborer.....	38 50
	19 John Swatz.....	Straw.....	27 79
	19 Charles O. Fields.....	Blank books.....	36 00
	19 James Comley, P. M.....	Stamps.....	9 00

Payments for General Expenses—Continued.

Date.	To whom paid.	On what account.	Amount.
1870—Dec.	19 Geo. H. Fisher & Co.	Corn	\$2 17
	19 J. & G. Butler	3 bbls. cement	7 50
	19 Chas. Horton	Balance of wages to date	7 50
	19 Ohlen & Lanman	Repairing saw	1 00
	19 G. J. Rodenfels	Flour	365 15
	19 S. Ashman	Poultry	13 75
	20 Longstreth & Fulton	Coal on account	1,000 00
	21 M. Duor	Poultry	40 00
	21 D. Barry	Ditching	11 55
	21 G. W. Plumbrook	158 pumpkins	7 90
	21 McCune, Mithoff & Co.	Belting	2 25
	21 L. Lindemann & Co.	Materials children's Christmas tree	9 00
	21 Jas. Donley	Wages on account labor	2 00
	21 B. Howe	Mouldings	5 25
	21 Western Union Tel. Co.	Telegraphing	6 12
	21 Jas. Comly	Postage on circulars	30 00
1871—Jan.	2 S. Burnett	Barometer	5 00
	2 Tress & Harrington	Repair of clocks	5 05
	2 Wm. Clift	Wages on account as assistant	25 00
	2 J. E. Hill	3½ days with team	11 50
	2 F. Fleming	Filling ice house	84 25
	3 C. C. & C. R. R.	Freight	9 70
	3 same	"	11 10
	7 N. Swartz	Labor of team	18 37
	9 C. L. Clark	Blankets	147 30
	10 A. B. Buttles	Seed potatoes, &c.	94 00
	10 Adams Express Co.	Freight on butter	17 50
	10 A. Caldwell	Butter	57 35
	10 L. Jennings	Moving barn	30 00
	10 Gulick & McIntire	Plastering	50 00
	10 Wm. Walter	Repairing shoes	11 42
	10 Small Ex., &c.	December	41 93
	10 Wm. Fox	4 days as baker	8 00
	10 John Evans	13 days as carpenter	40 50
	10 John W. Young	37½ days as laborer	65 17
	10 M. E. Earnest	31½ days as painter	87 29
	10 John Jones	16 days as carpenter	42 50
	10 E. S. Rhodes	3 turkeys	10 00
	10 American Express Co.	Freight	2 45
	10 Jas. Comly	Box rent	2 53
	16 Jas. Donley	Wages on account of labor	15 07
	16 A. L. Hollinger	Graining	40 00
	19 M. B. Bateham	3 casks cider	58 20
	21 R. Kinsell	Shoes	27 15
	21 B. Strain	On account of building fence	10 00
	23 Kinnear & Sons	Galvanized iron work	10 15
	23 Samuel Brooks	Wagon work	35 00
	23 Owen & Wiggin	Dry goods	20 63
	23 David Barry	10 days' labor	17 50
	23 T. Longstreth & Co.	Coal on account	800 00
	24 Joe Bryant	Labor packing ice	6 00
	24 A. L. Hollinger	Graining on account	10 00
	26 Henry McEldvin	Slating blackboards	75 00
	31 Jas. Comly, P. M.	Stamps	7 00
	28 R. Sinclair	Meat	418 01
	28 G. S. Innis	Potatoes	18 30
	28 Bart & Hiecox	Rubber sheeting	67 05
	28 S. P. Elliott & Sons	Crackers, &c.	70 50
	28 J. Swartz	Plumbing	36 25
	28 Brooks & Huston	Groceries	289 00
	28 Randall, Aston & Co.	School apparatus, &c.	52 08
	28 R. Main	Butter	18 44

Payments for General Expenses—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—Jan.	31 Bill marketing, &c.....	January	\$20 90
	31 Wm. Clift.....	Wages on account	25 00
Feb.	4 L. Gugle & Son	Blacksmithing	107 03
	4 Wm. Cox & Co.....	Beef	60 13
	4 Columbus Gas & Coke Co.....	Coal tar	236 00
	4 G. W. Gleason.....	School books, &c.....	95 92
	4 Thrall & Roby.....	Drugs and medicines.....	43 50
	4 Merchants' Dispatch.....	Freight on piano.....	13 82
	4 J. G. Beal.....	Drayage on ".....	3 50
	4 Columbus Transfer Co.....	Freight and drayage.....	43 59
	4 R. Jones.....	12 days as carpenter	30 00
	4 J. Jones.....	12 ".....	30 00
	4 B. Strain.....	On account of building fence.....	20 00
	11 same.....	" ".....	20 00
	11 J. W. Young.....	31 2-10 days as laborer	54 59
	11 A. Brown.....	9 days as painter	18 00
	11 J. Bowen.....	Surveying	3 00
	12 G. W. Miller.....	1 cow	55 00
	12 same.....	4 days' labor.....	7 00
	14 B. Kauffman & Co.....	Blankets.....	164 00
	14 Halm, Bellows & Bntler.....	Furniture	34 50
	14 H. Mithoff & Co.....	Hardware	95 23
	14 P. Hayden & Son.....	Wire cloth, &c.....	91 18
	14 Graff, McCollough & Co.....	Steam pipe.....	78 33
	21 Maxwell, Long & Co.....	Soap	75 60
	21 M. E. Earnest.....	Wages as painter	25 00
	22 J. H. Green.....	Straw	8 75
Mar.	2 John Jones.....	Wages as carpenter.....	45 00
	2 Richard Jones.....	" ".....	45 00
	2 A. L. Hollinger.....	On account of graining.....	20 00
	2 M. Williams.....	4 turkeys.....	5 00
	2 Joyce & Son.....	Fish	44 40
	2 P. Hitchcock.....	Apples and butter.....	58 55
	2 Small Expenses, &c.....	February.....	30 19
	2 Hershiser & Adams.....	Lumber	509 42
	2 James Donley.....	Wages as laborer	5 00
	2 J. A. Vandegriff.....	6½ yards canvas.....	7 50
	2 B. Strain.....	Bal. on account of fence building.....	97 01
	2 D. W. Suggrove.....	Repairing piano.....	57 00
	3 A. L. Hollinger.....	Graining on account	30 00
	9 J. Lutz.....	2 beef casks	6 00
	11 J. W. Ames.....	Hay	37 80
	11 N. P. Mix.....	Oats, straw, &c.....	115 98
	11 J. P. Green.....	Straw	6 24
	11 B. Strain.....	Clearing woods.....	15 00
	11 E. L. Hinman.....	Button machine.....	3 00
	14 J. P. Green.....	Straw	6 62
	15 E. Hughes.....	Masonry	20 00
	16 Youghiogheny Coal Co.....	Gas coal.....	41 38
	16 James Donley.....	Cash on account as laborer.....	15 00
	16 G. Green.....	Straw	8 56
	18 B. Strain.....	Clearing woods on account.....	20 00
	20 R. Sinclair.....	Meat	435 42
	25 Ira Green.....	Straw	11 70
	25 John Jones.....	8 days as carpenter	20 00
	25 R. Jones.....	8 ".....	20 00
	25 F. C. Glogston.....	Steam radiators	35 00
	25 B. Strain.....	On account of clearing woods.....	20 00
	25 Ira Green.....	Straw	4 33
	28 Jos. Bryant.....	Labor on land bought of Felton.....	13 00
	28 G. W. Miller.....	On account of labor.....	10 00
	31 Small Expenses, &c.....	March	25 05

Payments for General Expenses—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—April	1 Ben. Strain	Clearing wood lot	\$26 00
	1 Jas. Donley	Wages as laborer	15 00
	1 Ira Green	Straw	13 07
	5 G. W. Doyle	Lumber	28 80
	7 Ben. Strain	Clearing wood lot	20 00
	10 John Jones	Wages as carpenter	20 00
	10 Richard Jones	"	20 00
	10 John Seiter	3 days as "	7 50
	15 G. W. Miller	On acc't of labor	10 00
	15 Jas. Donley	"	5 00
	18 Daniel Lomassena	Ditching	9 00
May	3 Jacob Daugherty	31½ days labor	55 12
	3 John Jones	Wages as carpenter	75 00
	3 Richard Jones	"	75 00
	3 Jas. Donley	" laborer	35 00
	3 G. W. Miller	"	66 62
	3 J. Bomm & Co.	Stone work	40 13
	3 Ben. Strain	Building fence	40 00
	3 M. E. Earnest	Painting on acc't	50 00
	6 J. H. Chambers	Hay and straw	112 04
	6 Hall & Fornoff	Brick work	494 05
	6 J. H. Chambers	8 lbs. honey	3 20
	6 American Express Co.	Freight	12 70
	6 Denig & Ferson	Carriage gear	12 80
	6 Small Exps., &c.	April	17 34
	6 M. E. Earnest	Painting	125 25
	6 Peter Schart	Machine work, etc.	163 63
	7 G. J. Rodenfels	Flour and feed	629 25
	7 B. & O. R. R. Co.	Freight on coal	70 00
	7 Thrall & Roby	Drugs and medicines	25 05
	7 Adams Express Co.	Freight on butter	10 00
	7 Brooks, Walker & Co.	Butter	3 25
	7 Hoster & Sons	Hops and malt	7 10
	7 Jas. Comly, P. M.	Box rent and postage	3 22
	7 Ben. Strain	Clearing woods	15 00
	5 A. Rankin	Corn seed	3 75
	5 J. Rathbone	Seed potatoes	6 60
	5 Jas. Comly, P. M.	Stamps	9 00
	5 John Seiter	Wages as carpenter	45 00
	8 E. E. Shedd & Co.	Groceries	720 32
	9 A. L. Hollinger	Balance due for graining	155 00
	11 Wm. Clift	Wages on acc't	50 00
	11 G. W. Miller	" " as laborer	3 00
	11 J. Greenleaf & Co.	Dry goods	385 22
	11 McCune, Lonniss & Co.	Hardware, &c.	606 00
	11 George McDonald & Co.	Groceries and provisions	417 50
	11 Ohio Furniture Co.	Furniture	493 35
	11 Greenwood Pipe Co.	Steam fittings, &c.	105 73
	15 Longstroth & Fulton	Coal on acc't	700 00
	15 John Seiter	12 days as carpenter	30 00
	15 J. M. Young	15½ days as laborer	27 12
	15 Ben. Strain	On acc't of building fence	50 00
	15 Bowl & Osterloh	Tea	88 06
	16 Winiker & Bro.	Butter	485 25
	16 John Jones	Labor as carpenter	72 50
	16 Richard Jones	"	85 00
	17 John Huber	Labor on account	23 33
	18 J. Andrews	Plumbing	228 41
	23 Jas. Wiley	Hay	14 70
	23 B. Strain	Clearing wood lot	28 00
	24 A. R. Innis	Potatoes	114 85
	25 Peters, Benns & Co.	Wagon and repairs	225 00

Payments for General Expenses—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—May	25 Osborn, Kershaw & Co.....	Dry goods	\$49 43
	25 English, Millers & Co.....	Clothing	280 00
	25 Wm. Monypenny	Flour	222 50
	26 Ben. Strain	Clearing woodlot	5 00
	29 A Rankin	2 cultivators	20 00
	31 Jacob Daugherty	Wages as laborer	39 80
June	1 E. Barens & Co.....	Meat	309 34
	1 F. Arnold	Repairing boots and shoes	106 00
	1 Andrew Powell	Hay	22 50
	3 E. & H. F. Booth	Repairing wagons	99 10
	5 Andrew Powell	Straw	7 20
	5 Jas. Donley	Wages on acct	25 00
	7 Small Ex., &c	May	21 15
	9 Noah Richardson	Ditching	133 78
	9 Ben. Strain	Clearing woods, &c	19 87
	9 John Jones	Labor as carpenter	42 50
	9 R. Jones	"	40 00
	9 Mrs. Galliday	Sewing	15 80
	9 P. Kinnell	Repairing tools	16 25
	9 A. Caldwell	Butter	54 67
	13 J. Greenleaf & Co	Dry goods	200 21
	13 Bart & Hickcox	Rubber goods	54 95
	13 Mrs. Joyce & Son	Fish	55 15
	15 Gulick & McIntire	Plastering	48 02
	20 Wm. Powell & Co	Plumbing material	27 58
	20 S. Estel	Sweet potatoes	6 85
	22 Diemer, Smith & Hinderer	Rep'g agricultural implem'ts	54 70
	22 R. Sinclair	Meat	369 25
	24 E. Bailly	City Directory	3 00
	28 J. K. Daugherty	Wages as laborer	38 50
	30 G. W. Miller	"	77 87
	30 Mrs. Saunders	Sewing	10 20
July	1 John Jones	Labor as carpenter	60 00
	1 R. Jones	"	60 09
	1 David Evans	"	27 50
	1 Sargent & Neiswander	30 days' carpenter work	90 00
	5 Columbus Sewer Pipe Co	Sewer pipe	169 50
	5 Small Ex., &c	June	3 90
	13 Mrs. Galliday	Sewing	2 70
	13 A. R. Innis	Potatoes	120 92
	13 G. S. Innis	Seed potatoes	38 40
	13 Shuffin & Co	Flour	175 50
	13 Jas. Donley	Wages as laborer	6 00
	13 Braun, Bruck & Co	Drugs and medicines	318 98
	13 Swartz & Wilcox	Stone	25 83
	13 F. R. Purple	Syrup	5 48
	13 Annie Newlan	Wages	3 00
	13 Sargent & Neiswander	Carpenter work	57 00
	13 Lidie Holmes	Wages as attendant	5 00
	17 Columbus Machine Co	Machine work	283 00
	17 A. C. Hildreth & Co	Lumber	290 76
	17 Wm. Burdell, Jr	Harness and repairing	117 85
	17 D. McAllister	Oats, bran, &c	371 05
	17 W. S. Postle	Tile	150 00
	17 Jas. Donley	Wages as laborer	20 00
	18 L. Passig	Repairing shoes	40 50
	18 Christ. Vieh	Wages as laborer	32 50
	18 Jas. Donley	"	10 00
	19 R. Jones	11 days as carpenter	27 50
	19 John Jones	"	27 50
	19 David Evans	"	32 56
	19 Jas. Comly, F. M.	Stamps	9 00

Payment for General Expenses—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—July	25 E. Jaeger	Fruit	\$25 50
	27 John Huber	Wages as laborer	15 00
	27 J. K. Daugherty	"	32 40
Aug.	8 Mrs. Wm. Ross	Soap	24 30
	8 Wing & Sniveley	Manure	50 00
	8 Thomas Ross	Soap	90 00
	9 J. W. Doyle	Lumber	50 14
	23 G. W. Miller	Wages as laborer	38 12
	23 John Jones	12 days as carpenter	30 00
	23 Bills—marketing	July	61 45
	23 Geo. McDonald	Groceries	313 57
	23 Adams Express Co.	Freight on butter	18 50
	23 John G. Doren	Printing letter heads	15 00
	23 American Express Co.	Freight	1 65
	23 Mrs. Saunders	Sewing	11 75
	23 H. Mithoff & Co.	Hardware	306 92
	23 G. J. Rodenfels	Flour	628 45
	23 Margaret Galliday	Sewing	6 10
	23 J. K. Daugherty	Wages as laborer	46 37
	25 Jas. Comly, P. M.	Stamps	15 00
	25 A. Germunder	Tuning piano	3 00
	31 St. Clair & Scott	Tinware, etc.	136 89
	31 Jas. Comly, P. M.	Stamps	30 00
	31 Katy E. Miner	Sewing	10 00
	31 Bills—marketing	August	37 05
	1 John G. Doren	Printing circulars	80 00
Sept.	1 Claypool & Willson	Boots and shoes	346 22
	2 J. W. Ames	Hay	72 75
	2 E. Wise	Cutting corn	5 00
	2 John Strother	"	3 00
	4 A. R. Innis	Threshing oats	34 60
	4 John Jones	2½ days as carpenter	80 25
	4 Benj. Sargent	5 "	13 75
	4 J. Holdtzabel	10 "	25 00
	4 R. Sinclair	Meat	472 18
	6 Fannie Purple	Wages on account	42 00
	6 Calvin Strother	Cutting corn	3 00
	6 A. Liter	Keys	1 60
	11 Patterson & Meek	1 standard peg flat	2 25
	15 John Strother	Cutting corn	13 81
	15 E. Wise	"	11 00
	16 Jas. Donley	Wages on account	10 00
	16 John Rowland	2 barrels cider	10 00
	16 Sam. Stephens	7 days as laborer	10 50
	18 John C. Ehui	Braas castings	18 00
	18 R. B. Adams & Co.	Lumber	626 27
	18 T. Longstreth	Balance due on coal contract	933 71
	18 J. Schaeffing & Bro.	Recutting files	3 50
	18 John Jones	12 days as carpenter	36 00
	18 Jacob Holdtzabel	12 "	30 00
	18 Sarah Miner	Sewing	15 00
	19 Jas. Comly, P. M.	Stamps	12 00
	22 C. Born & Co.	Hops	2 20
	23 Jas. Donley	Wages as laborer	87 78
	23 David Donley	1 day's labor with team	3 50
	26 D. F. Suydam	Coal	21 06
	30 T. Lentz	Wages as tailor	12 50
	30 Wm. Clift	Wages on account	60 00
Oct.	2 Jacob Daugherty	Wages as laborer	33 11
	2 Mary Donley	Sewing	9 60
	3 Milton Fisher	Potatoes	15 00

Payment for General Expenses—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—Oct.	5 Comly & Smith	Printing	\$13 50
	5 J. Shaeffing & Bro	Cutting files	1 65
	6 Cincinnati Gazette	Printing	15 00
	6 McBeth, Bentel & Co.	1 pr. matcher heads	13 00
	6 Pitta, C. & St. Louis R. R.	Freight	17 25
	6 John Rowland	5 bbls. cider	25 00
	6 Margaret Galliday	Sewing	2 25
	6 Bills marketing, &c.	September	22 35
	7 T. Lentz	Wages as tailor	10 00
	10 Stephen John	" baker	5 00
	10 American Express Co.	Freight	10 90
	11 J. K. Daugherty	4 days as laborer	7 00
	11 Sarah Miner	Sewing	15 00
	11 R. Main	Groceries	28 33
	12 J. G. Beal	Hauling flour	7 11
	12 Bessie Mitchemore	Sewing	15 50
	14 Gannon & Williams	Boiler work	18 32
	14 A. Caldwell	Butter	52 70
	14 E. Young	Wages as laborer	192 00
	16 J. F. Harris & Co.	Music book	2 00
	21 Jas. Donley	Wages as laborer	36 00
	21 G. W. Miller	26 days as "	45 50
	21 T. Lentz	Wages as tailor	37 50
	24 L. Pirsig	Mending shoes	37 95
	24 J. Jones	Wages as carpenter	36 00
	24 J. Holdtzabel	"	30 00
	24 Thos. D. Crow	Copy'g addresses school boards	18 00
	25 Fred. Able	Flower pots	21 65
	25 John Doyle	Digging well	50 00
	30 American Express Co.	Freight	3 05
	30 G. W. Miller	5½ days as laborer	9 12
	31 Margaret Galliday	Sewing	6 45
	31 D. F. Suydam	Coal on acc't	529 75
	31 Babcock Fire Ext. Co.	3 fire extinguishers	165 00
	31 Levi Neiswander	13 days as carpenter	35 75
	31 Enoch Collins	10½ " "	23 65
	31 T. Vankirk	3 11-20 " "	7 10
	31 T. J. Swank	4 " "	10 00
	31 T. D. Ray	3 11-20 " "	7 10
	31 A. Neiswander	3 11-20 " "	8 85
	31 Jas. Comly, P. M.	Stamps	6 00
	31 Benj. Sargent	11 days as carpenter	30 25
	31 Central Ohio Lunatic Asylum ..	Steam pump	500 00
	31 John Jones	12 days as carpenter	36 00
	31 F. Bomm	Stone work	24 50
	31 J. Holdtzabel	12 days as carpenter	30 00
	31 C. Huston	1 low-water indicator	35 00
	31 Calvin Strother	Wages cutting corn	10 38
	31 Elija Wise	"	12 59
	31 E. Farhold	1 sewing machine	85 00
	31 E. Hughes	Brick work	69 00
	31 J. Raibb	Fruit, &c.	51 52
	31 J. Rose	Service as veterinary surgeon ..	10 00
	31 Chas. Horton	Wages as laborer	5 00
	31 J. H. Chambers	Eggs, &c.	4 50
	31 Susan Hawkes	15 ducks	4 50
	31 F. Bader	Altering hogs	2 00
	31 Geo. Wilcox	Labor with team	1 50
	31 Margaret Galliday	Sewing	9 60
	31 Susan Hawkes	"	9 80
	31 C. Jennings	Corn	2 13

Payments for General Expenses—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—Oct.	31 Ben. Strain	Building fence	\$5 00
	31 M. Williams	6 turkeys	7 50
	31 Jas. Eppin	Turkeys	3 00
	31 Geo. Hall	Poultry	6 00
Nov.	1 Jas. Comly, P. M.	Stamps	5 00
	8 Born & Co.	Hops and malt	4 00
	9 John Doyle	Digging well	100 00
	9 Wm. C. McCoy	Hauling coal	20 35
	11 T. Lentz	Wages as tailor	10 00
	11 Jas. Comly, P. M.	Stamps	6 00
	11 Wm. Palmer	1 pair mules	450 00
	11 John Jones	12 days as carpenter ..	27 00
	11 J. Holtzabel	" " "	30 00
	13 Nora Vankirk	Sewing	2 00
	13 Michael Burke	1 hog	15 00
	13 Jake Sager	Wages as laborer	7 00
	13 Nick Sager	" " "	7 00
	13 Dan. Lomassna	" " "	10 00
	13 John Lomassna	" " "	10 00
	13 P. C. & St. L. R'y.	Lumber	7 50
	13 E. Hennessy	Blacksmith work	14 00
	13 Pan-Handle R. R.	Freight	5 12
	13 Western Union Tel. Co ..	Telegraphing	10 40
	13 T. Vankirk	Wages as carpenter	10 00
	13 Samuel Brooks	Wagon work	81 30
	13 John Jones	Wages as carpenter	34 50
	13 Jacob Holtzabel	" " "	30 00
	13 J. G. Doren	Printing and binding ..	50 00
	13 F. C. Winiker	Butter	471 74
	Total	\$31,669 89

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Date.	To whom paid.	On what account.	Amount.
1870—Nov.	30 Francis McGuire.....	1 month's wages as cook.....	\$16 00
	30 Christine Alton.....	2 1-30 months' wages as hall girl.....	20 34
	30 Alice McCabe.....	2 " " " " " " " " " " " "	20 00
	30 Pat. Payne.....	1 month's wages as laborer.....	25 00
	30 Lucretia McGuire.....	Wages as dining room girl.....	2 00
	30 Emma Gates.....	½ months' wages as washer.....	9 00
	30 Betsy Wade.....	" " " " " " " " " " " "	9 00
	30 Lizzie Brown.....	" " " " " " " " " " " "	9 00
	30 Eliza Gates.....	1 month's wages " " " " " " " " " " " "	13 50
	30 J. Weyer.....	Wages on account of farm.....	30 00
	30 John Summit.....	" " " garden.....	10 00
	30 E. Guthrie.....	" " attendant.....	2 00
	30 Jacob Klinch.....	" " labor.....	43 66
	30 Salem Graham.....	" " baker.....	12 00
	30 John Huber.....	" " fireman.....	28 00
Dec.	14 Annie Newlan.....	½ month's wages as attendant.....	5 00
	14 Olie Stephens.....	1 " " " " " " " " " " " "	12 00
	14 Susan Tousted.....	1 " " " " " " " " " " " "	10 00
	14 Carrie Wheeler.....	1 " " " " " " " " " " " "	10 00
	15 A. Schart.....	Wages on account of engineer.....	15 00
	15 Betsy Wade.....	½ month's wages as washer.....	6 00
	15 Salem Graham.....	Wages to date, as baker.....	12 00
	15 Christ. Ross.....	1 month's wages as attendant.....	20 00
	15 Wm. Fox.....	Wages as baker.....	4 00
	15 E. Guthrie.....	" attendant.....	17 00
	15 Milinda Morgan.....	" cook.....	15 00
	15 Emma Gates.....	" washer.....	9 50
	15 Margaret Wilson.....	" " " " " " " " " " " "	8 80
	15 Betsy Wade.....	" " " " " " " " " " " "	6 80
	17 Barbary Marclay.....	" dining room girl.....	10 00
	17 Liza Ault.....	" " " " " " " " " " " "	10 00
	17 John Weyer.....	" farmer.....	36 62
	17 P. Payne.....	" laborer.....	25 00
	19 Chas. Delaney.....	1 month's wages as watch.....	25 00
	19 David Kistner.....	1 " " " " " " " " " " " "	25 00
	19 Christine Alton.....	1 " " " " " " " " " " " "	10 00
	19 Wm. Ross.....	3 " " " " " " " " " " " "	60 00
	19 Mary Richards.....	1 " " " " " " " " " " " "	12 00
	19 Annie Newlan.....	½ " " " " " " " " " " " "	5 00
	19 Bessie Mitchamore.....	1 " " " " " " " " " " " "	14 00
	19 John Huber.....	1 " " " " " " " " " " " "	28 00
	19 Tillie Berry.....	1 " " " " " " " " " " " "	10 00
	21 Mary Richards.....	Wages on acc't as attendant.....	5 00
	21 Mary Lee.....	1 month's wages as cook.....	10 00
	21 Chas. Delaney.....	Wages on acc't as watch.....	2 00
	22 Wm. A. Schart.....	" " engineer.....	50 00
	22 John Summit.....	" " gardener.....	95 00
	27 Ellery Guthrie.....	" " attendant.....	5 00
	29 Alice McCabe.....	" " hall girl.....	10 00
	29 Francis McGuire.....	" " cook.....	20 00
	29 Lucretia McGuire.....	" " dining room girl.....	2 00
1871—Jan.	2 Eliza Gates.....	" " washer.....	43 90
	2 Betsy Wade.....	" " " " " " " " " " " "	3 60
	2 Emma Gates.....	" " " " " " " " " " " "	3 60
	2 Margaret Wilson.....	" " " " " " " " " " " "	3 60
	2 David Kistner.....	" " " " " " " " " " " "	10 00
	2 John Weyer.....	" " " " " " " " " " " "	10 00
	2 Wm. A. Schart.....	" " engineer.....	15 00
	3 Christine Alton.....	" " attendant.....	5 00
	3 Katie Faulkauer.....	" " dining room girl.....	9 30
	3 Mrs. S. Mitchamore.....	" " seamstress.....	30 00

Payment of Wages—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—Jan.	10 Frances McGuire	Wages on acc't as cook	\$25 00
	10 Fannie Purple	" " cook	25 00
	10 James Donley	" " laborer	5 00
	10 Reba Smith	" " dining-room girl	1 85
	16 Phoebe Aller	" " washer	10 50
	17 Charles Delaney	" " watch	5 00
	17 Barbary Marclay	" " dining-room girl	10 00
	17 Tillie Berry	1 month's wages as dining-room girl	10 00
	17 Christine Alton	1 " " hall girl	5 00
	17 Wm. Ross	1 " " attendant	20 00
	17 Godfrey Bauer	1 " " baker	32 00
	17 Mrs. K. Christ	1 " " nurse	10 00
	17 Mary Richards	Balance of wages as attendant	7 00
	17 James Mill	1 month's wages as laborer	25 00
	17 Annie Newlan	1 " " attendant	10 00
	17 Olie Stephens	1 " " attendant	12 00
	18 John Huber	1 " " fireman	28 00
	19 John Weyer	Balance of wages as farmer	45 00
	21 John Summet	1 month's " gardener	30 00
	21 Pat. Payne	1 " " laborer	25 00
	23 Ellen Guthrie	Wages as attendant	12 00
	23 Wm. A. Schart	Wages on acc't as engineer	65 00
	26 Annie Karns	1/2 month's wages as dining-room girl	5 00
	31 Melinda Morgan	1 " " washer	12 00
	31 Lucretia McGuire	1 " " dining-room girl	2 00
	31 David Kistner	Wages on acc't as laborer	15 00
Feb.	4 John Huber	" " fireman	15 44
	4 Alice McCabe	" " hall girl	5 00
	4 James Donley	" " laborer	15 00
	4 Mary Lee	" " cook	5 00
	6 Mrs. S. Mitchamore	" " seamstress	25 00
	7 Charles Delaney	" " watch	5 00
	8 Susan Tousted	1 month's wages as hall girl	10 00
	8 James Donley	Wages on acc't as laborer	5 00
	10 Lizzie Kerber	" " washer	11 00
	10 Lucinda Talmadge	" " washer	12 00
	11 Jas. Neill	" " laborer	16 00
	12 Annie Kerm	" " dining-room girl	6 33
	14 Frances McGuire	" " cook	10 00
	14 Olie Stephens	1 month's wages as attendant	12 00
	14 Christine Alton	1 " " "	10 00
	22 E. C. Guthrie	Wages on acc't as attendant	2 00
	25 John Weyer	" " farmer	20 00
Mar.	2 Wm. Cliff	1 month's wages as assistant	25 00
	2 E. Guthrie	1 " " attendant	17 00
	2 Annie Newland	1 " " "	10 00
	2 Mrs. K. Christ	Wages on acc't as nurse	5 00
	2 James Donley	" " laborer	31 35
	2 John Weyer	" " farmer	16 65
	2 Carrie Wheeler	2 months' wages as attendant	20 00
	2 Wm. Ross	Wages on acc't of attendant	20 00
	2 Mary Richards	" " "	12 00
	2 G. Bower	1 month's wages as baker	32 00
	2 Elizabeth Kerber	1 " " washer	3 00
	2 Rosa Bauer	Wages to date as washer	8 40
	2 Charles Delaney	Wages on acc't as watch	40 00
	2 David Kistner	1 month's wages as laborer	25 00
	2 Barbary Marclay	1 " " dining-room girl	10 00
	2 Wm. A. Schart	1 " " engineer	65 00
	2 Eliza Anlt	1/2 " " dining-room girl	5 00
	2 Barbary Marclay	Wages on acc't as dining-room girl	5 33
	3 Lucinda Talmadge	" " washer	5 00

Payments of Wages—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—March 8	M. E. Earnest	Wages on account as painter.....	\$15 00
9	Bessie Mitchamore	2 months' wages as attendant	28 00
11	Lizzie Kerber	Wages on account as washer	5 00
11	Elizabeth Talmadge	" " "	7 00
11	James Mill	" " labor	28 00
14	Annie Newlan	" " attendant	5 00
14	Mary Richards	" " "	5 00
14	Olie Stephens	" " "	5 00
14	Mrs. K. Christ	" " washer	5 00
14	Christina Altou	" " attendant	5 00
15	Alice McCabe	" " hall girl	15 00
16	Wm. Ross	" " attendant	5 00
17	E. Guthrie	" " "	18 00
18	A. Schart	" " engineer	15 00
18	Charles Delaney	" " watch	5 00
20	Elizabeth Kerber	" " washer	8 60
20	John Summet	" " gardener	5 00
23	Fliza Whirl	" " dining room	3 00
25	Melinda Morgan	" " washer	28 00
25	Frances McGuire	" " cook	5 00
29	David Kirtner	" " labor	25 00
30	Carrie Wheeler	" " attendant	10 00
April 1	Mrs. Talmadge	" " washer	2 00
1	Ellery Guthrie	" " attendant	10 64
4	Christine Alton	" " "	5 00
4	Christopher Ross	" " "	20 00
5	Charles Delaney	" " watch	5 00
5	Francis McGuire	" " cook	10 00
5	Mary Lee	" " "	10 00
6	Bessie Michamore	" " attendant	21 00
7	John Weyer	" " farmer	20 00
10	Wm. Ross	" " attendant	5 00
11	Matilda Berry	" " dining room	10 00
11	Annie Newlan	" " attendant	5 00
11	Mary Richards	" " "	7 00
11	Christ. Ross	2 months' wages as attendant	40 00
15	Eliza Ault	3½ " " dining room	35 00
15	Mrs. Bauer	1 " " washer	12 00
15	Mrs. Talmadge	Wages on account of "	10 00
15	Lucinda Talmadge	" " "	10 00
15	Mary Burgin	1 month's wages as dining room	10 00
15	Olie Stephens	1 " " attendant	12 00
17	Carrie Wheeler	1 " " "	10 00
May 3	John Huber	Wages on account of labor	15 00
3	David Kistner	1 month's wages as laborer	25 00
3	John Weyer	2 " " farmer	123 35
3	James Mill	Wages on account of labor	20 00
3	Matilda Berry	1 month's wages as dining room	10 00
3	Susan Tonsted	2 " " hall girl	20 00
3	Annie Newlan	4 " " attendant	5 00
3	Wm. A. Schart	Wages on account of engineer	87 78
3	John Summet	" " labor	35 00
4	Godfrey Bauer	" " baker	54 00
4	Mary Richards	" " attendant	12 00
4	Wm. K. Christ	1 month's wages as "	10 00
4	Annie McMahon	1 " " dining room	10 00
4	Alice McCabe	2 " " hall girl	20 00
4	Mary Bergin	1 " " dining room	10 00
4	P. Payne	1 " " labor	25 00
4	Wm. Ross	Wages on account of attendant	30 00
5	Charles Delaney	" " watch	10 00
7	Godfrey Bauer	" " baker	10 00

Payment of Wages—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—May	7 Annie Lacey	Wages on account as washer	\$5 00
	7 Mary Lee	" " cook	5 00
	7 Annie Newlan	" " attendant	5 00
	7 Christine Alton	" " "	10 00
	7 Johanna McMahon	1 month's wages as dining-room girl	10 00
	7 Mary Bergin	Wages on account as	2 66
	7 Lucretia McGuire	" " "	6 00
	7 Wm. A. Schart	" " engineer	5 00
	11 Annie Lacey	" " washer	2 00
	11 A. Saunders	" " attendant	13 00
	11 Alice Stephen	" " "	5 00
	11 Kate Yonker	" " washer	5 00
	15 Jas. Neil	" " laborer	36 00
	15 Mark Nugent	" " "	43 34
	15 Christ. Ross	2 months' wages as attendant	40 00
	15 Mrs. K. Christ	2 " " sick nurse	20 00
	15 Wm. Ross	1 month's " attendant	20 00
	15 Christine Alton	1 " " "	10 00
	15 Mary Richards	1 " " "	12 00
	15 Annie Newlan	1 " " "	10 00
	16 David Kistner	2 months' " laborer	50 00
	15 Chas. Delany	Wages on account as watchman	55 00
	15 Wm. A. Schart	" " engineer	49 65
	15 Carrie Wheeler	1 month's wages as attendant	10 00
	17 Thos. Truman	Wages on account as fireman	10 00
	17 Annie Lacey	" " washer	19 00
	17 Alice McCabe	" " hall girl	10 00
	18 Alice Dearduff	" " "	2 50
	23 John Weyer	" " farmer	25 00
	23 Olie Stephens	1 month's wages as dining-room girl	12 00
	23 Tillie Berry	1 " " "	11 00
	23 Frances McGuire	1 " " cook	16 00
	23 Albert Saunders	Wages on account as attendant	15 00
	24 Mrs. R. Bauer	2 months' wages as washer	24 00
	26 Wm. A. Schart	Wages on account as engineer	5 00
June	1 Mrs. R. Early	21 days as washer	8 00
	1 Wm. A. Schart	Wages on account as engineer	10 00
	1 Fannie Purple	" " cook	60 00
	1 Jas. Donley	" " laborer	5 00
	1 Ellen Shurly	2 months' wages as seamstress	24 00
	1 Star Hunter	1 1/2 " " "	18 00
	1 Emily Richards	Wages on account as attendant	10 00
	1 Carrie Wheeler	1 month's wages as "	5 00
	1 Christine Alton	1 " " "	5 00
	3 Pat. Payne	Wages on account as laborer	30 00
	3 Jas. Neil	" " "	20 00
	3 Wm. A. Schart	" " engineer	5 00
	5 Christ. Ross	" " attendant	10 00
	6 Frances McGuire	" " cook	20 00
	6 Mary Lee	" " "	5 00
	6 Mary Bergin	" " din'g-room girl	4 66
	6 Albert Saunders	" " attendant	5 00
	7 Wm. Ross	" " "	10 00
	8 Johanna McMahon	" " din'g-room girl	6 66
	8 Wm. Ross	" " attendant	10 00
	9 Susan Tousted	2 months' wages as hall girl	20 00
	13 Mary Richards	1 month's " attendant	12 00
	13 Mrs. K. Christ	1 " " "	10 00
	13 Mark Nugent	Wages on account as laborer	20 00
	13 Lucretia McGuire	" " din'g-room girl	4 00
	13 Carrie Wheeler	" " attendant	5 00

Payment of Wages—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—June	13 Christine Alton	Wages as attendant	\$ 5 00
	13 Chas. Delaney	1 month's wages as watch	30 00
	17 Pat. Payne	1 " " laborer	25 00
	17 Mrs. A. Lacey	Wages as washer	25 00
	17 Rosa Bauer	" "	12 00
	17 A. Saunders	" attendant	5 00
	20 Lucila Holmes	" " "	5 00
	20 Annie Newlan	" " "	2 00
	20 Alice Dearduff	1 month's wages as attendant	10 00
	20 Jas. Donley	Wages as laborer	5 25
	22 A. Scharf	" engineer	45 00
	22 John Weyer	" farmer	60 00
	22 Thos. Freeman	" fireman	15 00
	22 Emily Richards	" attendant	16 00
	22 Mary Lee	" cook	12 00
	22 John Summet	" gardener	80 00
	22 David Kistner	" laborer	25 00
	24 John Huber	1 month's wages as laborer	25 00
	24 Olie Stephens	Wages as dining-room girl	16 40
	26 Christ. Ross	" attendant	10 00
	26 Star Hunter	Bal. wages as seamstress	9 20
July	1 Jas. Neill	Wages as laborer	15 00
	4 Mary Richards	" attendant	5 00
	4 Christine Alton	" " "	5 00
	4 Tillie Berry	" dining-room girl	1 00
	5 Annie Lacey	" washer	11 00
	10 Jas. Donley	" laborer	11 00
	13 Emma King	" dining-room girl	12 00
	13 John Summet	" gardener	30 00
	17 Alice Dearduff	" hall girl	9 00
	17 Albert Saunders	" attendant	18 00
	17 Thos. Freeman	" fireman	40 00
	18 Godfrey Bauer	" baker	32 00
	18 Rosa Bauer	" washer	12 00
	18 Lizzie Kline	" " "	15 20
	18 Francis McGuire	" cook	10 00
	18 Lucretia McGuire	" dining-room girl	2 00
	18 Mary Lee	" cook	5 00
	18 Jas. Neill	" laborer	15 00
	18 Lizzie Ault	" dining-room girl	30 00
	18 John Ross	" attendant	25 30
	18 John Summet	" gardener	30 00
	18 Mrs. K. Christ	" sick nurse	10 00
	18 Carrie Wheeler	" attendant	10 00
	18 Christine Alton	" " "	5 00
	18 Catherine Laceline	" washer	10 40
	18 Annie Newlan	" attendant	16 40
	18 Wm. A. Scharf	" engineer	65 00
	18 Wm. Ross	" attendant	36 22
	21 Jas. Neill	" laborer	15 00
	27 John Weyer	" farmer	75 00
	27 Chas. Delaney	" watchman	30 00
	28 Albert Saunders	" attendant	5 00
	28 Emily Richards	" " "	12 00
	28 Mary Richards	" " "	19 00
Aug.	31 Francis McGuire	" cook	6 00
	3 John Huber	" laborer	10 00
	3 Wm. A. Scharf	" engineer	15 00
	8 Alice Dearduff	" hall girl	5 00
	16 Christ. Ross	" attendant	36 66
	15 Annie Newlan	1 month's wages as attendant	12 00

Payment of Wages—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—Aug.	16 Chas. Delaney	Wages as watchman	\$5 00
	22 John Weyer	1 month's wages as farmer	60 00
	23 Tillie Berry	Wages as dining room girl	3 00
	23 Susan Tousted	" hall girl	20 00
	23 Lida Holmes	" attendant	10 00
	23 Mark Nugent	" laborer	20 00
	23 Alice McCabe	" hall girl	10 00
	23 Tillie Berry	" dining room girl	42 00
	23 Mrs. K. Christ	" nurse	10 00
	23 Carrie Wheeler	" wages as attendant	12 00
	23 Jas. Neill	" laborer	5 00
	23 Emma King	1 month's wages as dining room girl	10 00
	23 Alice Dearduff	" hall girl	5 00
	23 Christina Alton	" attendant	12 00
	23 Emily Richards	" "	12 00
	23 Mrs. Rose Bauer	" washer	12 00
	23 Lizzie Kline	" "	12 00
	23 Godfrey Bauer	3 " baker	96 00
	23 Katie Laceline	1 " washer	12 00
	23 Annie Singer	Wages as washer	13 20
	23 Albert Saunders	" attendant	15 00
	23 John Summet	" gardener	30 00
	23 John Huber	" laborer	10 00
	23 Thos. Freeman	" fireman	10 00
	23 David Kistner	" laborer	25 00
	23 Christian Vick	" "	25 00
	23 Jas. Donley	" "	35 00
	23 Eliza Ault	" dining room girl	10 00
	23 Wm. A. Scharf	" engineer	25 00
	24 Lida Holmes	" attendant	5 00
	24 Alice McCabe	" hall girl	12 00
	24 Lucretia McGuire	1 month's wages as dining room girl	2 00
	26 Jas. Neill	Wages as laborer	10 00
	31 Thos. Freeman	Balance wages as fireman	100 00
Sept.	6 Chas. Delaney	Wages as watchman	5 00
	6 Jas. Neill	" laborer	5 00
	12 Pat. Payne	" "	70 00
	13 T. Lentz	" tailor	25 00
	14 Olie Stephens	" dining room girl	15 20
	14 Emma King	1 month's wages as dining room girl	10 00
	15 Mark Nugent	Wages as laborer	10 00
	15 Chas. Delaney	" watchman	50 00
	15 Ellen Shurly	" seamstress	42 00
	16 Albert Saunders	1 month's wages as attendant	20 00
	16 John Ross	1 " "	20 00
	16 Alice Dearduff	1 1-16 month wages as hall girl	10 00
	16 Alice McCabe	1 month's wages as hall girl	10 00
	16 Francis McGuire	Wages as cook	121 00
	16 Wm. Ross	" attendant	10 00
	16 Jas. Neill	" laborer	20 00
	16 Wm. A. Scharf	" engineer	80 00
	16 Eliza Ault	" dining room girl	10 00
	16 Mrs. K. Christ	1 month's wages as nurse	5 00
	16 John Huber	Wages as fireman	15 00
	20 same	" "	5 00
	23 Emily Richards	1 month's wages as attendant	12 00
	23 Rosa Bauer	1 " washer	12 00
	23 Katie Laceline	1 " "	12 00
	23 Lizzie Kline	1 " "	12 00
	23 Annie Singer	1 " "	12 00
	23 Godfrey Bauer	1 " baker	32 00
	23 John Summet	1 " gardener	30 00

Payments of Wages—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—Sept.	23 Susan Tousted	1 month's wages as hall girl	\$10 00
	23 Annie Newlan	Wages as attendant	7 00
	27 Satie Saunders	"	12 00
	30 Jas. Neill	" laborer	6 00
Oct.	2 Lucretia McGuire	1 month's wages as dining room girl	2 00
	7 Wm. Ross	Wages as laborer	40 00
	9 Mark Nugent	"	68 33
	12 Wm. A. Schart	" engineer	5 00
	17 Annie Newlan	" attendant	10 00
	17 Mary Richards	"	10 00
	21 Christine Alton	"	24 00
	21 John Huber	" fireman	49 50
	21 John Weyer	" farmer	60 00
	21 Chas. Delaney	" watch	30 00
	21 Jas. Neill	1 month's wages as laborer	25 00
	21 John Summet	1 " gardener	30 00
	21 David Kistner	1 " laborer	25 00
	21 Susan Tousted	3 " hall girl	30 00
	21 Tillie Berry	1½ " dining room g'l	18 00
	21 Albert Saunders	1 " attendant	20 00
	21 Liza Ault	Wages as dining room girl	14 00
	21 Lula Holmes	" attendant	21 65
	21 Alice Dearduff	1 month's wages as hall girl	10 00
	21 Satie Saunders	1 " attendant	10 00
	21 John Ross	Wages as attendant	20 00
	21 Mrs. K. Christ	"	13 00
	21 Samuel Stephens	"	18 00
	21 Godfrey Bauer	1 month's wages as baker	32 00
	21 Christian Vick	1 " laborer	25 00
	23 Lucretia McGuire	1 " dining room girl	2 00
	24 Francis McGuire	1 " cook	16 00
	24 Albert Saunders	Wages as attendant	3 00
	24 Emily Richards	1 month's wages as washer	12 00
	24 Rosa Bauer	1 "	12 00
	24 Barbary Sharp	Wages as washer	9 60
	24 Lizzie Kline	1 month's wages as washer	12 00
	24 Katie Laceline	1 " dining room g'l	10 00
	28 Lawrence Joico	Wages as laborer	20 00
	30 Mary Lee	" cook	69 75
	30 Annie Newlan	" attendant	5 00
Nov.	1 Wm. A. Schart	" engineer	45 00
	1 John Weyer	" farmer	60 00
	2 Annie Singer	" washer	12 00
	11 Mrs. Swank	" nurse	12 00
	13 Mary Richards	" attendant	10 00
	15 Tillie Berry	" dining room girl	5 00
	15 Francis McGuire	" cook	4 00
	15 Mary Lee	"	5 00
	15 Mary Richards	" attendant	6 00
	15 Salem Graham	" baker	2 00
	15 Barbary Marclay	" dining room girl	10 00
	15 Mrs. K. Christ	" nurse	10 00
	15 Jas. Neill	" laborer	14 16
	15 Eliza Gates	" washer	3 95
	15 Betsy Wade	"	3 00
	15 Margaret Wilson	"	3 00
	15 Mary Lee	" cook	2 00
	15 Pat. Payne	" laborer	15 00
	15 Mary Lee	" cook	1 00
	15 John Weyer	" farmer	20 00
	15 Arista Fately	" laborer	20 00

Payments of Wages—Continued.

Date.	To whom paid.	On what account.	Amount.
1871—Nov. 15	Samantha Hanna.....	Wages on account as attendant	\$23 40
15	Annie Newlan.....	" " "	2 25
15	J. Weyer	" " farmer	40 00
15	Wm. A. Schart	" " engineer	90 00
15	Emma Gates	" " washer	3 00
	Total .....	.....	\$7,751 33

Total revenue from appropriations for fiscal year ending Nov. 15, 1871\$47,000 00

Total disbursements 39,421 22

Payment of Salaries.

Date.	To whom paid.	On what account.	Amount.
1871—Feb	15 Miss E. M. Emmerson	Salary as Teacher	\$105 00
	15 " E. Wilson	"	105 00
	15 " A. Holt	"	94 00
	15 " L. J. Post	"	120 00
	15 " Cora Jackson	"	90 00
	15 " M. E. Clift	"	105 00
	15 " H. F. Purple	" matron	100 00
	15 " S. C. Husted	" housekeeper	75 00
	15 G. A. Doren	" superintendent	300 00
Apr.	15 G. A. Doren	"	200 00
May	15 Miss L. J. Post	teacher	120 00
	15 " Cora Jackson	"	90 00
	15 " M. E. Clift	"	105 00
	15 " E. Emmerson	"	105 00
	15 " E. Wilson	"	105 00
	15 " A. Holt	"	90 00
	15 " H. F. Purple	" matron	100 00
	15 " S. C. Husted	" housekeeper	75 00
	15 G. A. Doren	" superintendent	100 00
July	1 Miss L. J. Post	teacher	60 00
	1 " A. Holt	"	45 00
	1 " Cora Jackson	"	45 00
	1 " E. Emmerson	"	52 50
	1 " E. Wilson	"	52 50
	1 " M. E. Clift	"	52 50
	1 G. A. Doren	" superintendent	150 00
Aug.	15 Miss H. F. Purple	" matron	100 00
	15 " S. C. Husted	" housekeeper	75 00
	31 G. A. Doren	" superintendent	200 00
Nov.	15 G. A. Doren	"	250 00
	15 Miss H. F. Purple	" matron	100 00
	15 " S. C. Husted	" housekeeper	75 00
	15 " Lida Springer	" assistant matron	75 00
	15 " E. Emmerson	" teacher	100 00
	15 " E. Wilson	"	100 00
	15 " M. E. Clift	"	100 00
	15 " Cora Jackson	"	87 50
	15 " Nellie Follett	"	50 00
	15 " A. Springer	"	60 00
	15 " A. Holt	"	87 50
Appropriations for salaries for fiscal year ending Nov. 15, 1871.			\$4,101 50
			4,785 03

Names of Persons employed in the Ohio State Asylum for Idiots.

Names.	How employed.	Compensation.
John Weyer	Farmer	\$60 00
Andrew Schart	Engineer	65 00
P. Payne	Teamster	25 00
D. Kistner	"	25 00
James Nell	Laborer	25 00
Christian Vick	"	25 00
John Huber	Fireman	28 00
Henry Brittner	"	30 00
John Summet	Gardener	30 00
Charles Delaney	Watchman	30 00
Godfrey Bauer	Baker	32 00
Wm. Ross	Attendant	25 00
John Ross	"	20 00
Albert Saunders	"	20 00
S. Stevens	"	20 00
Frances McGuire	Cook	16 00
Mary Lee	"	12 00
Annie Newlan	Attendant	12 00
Mrs. K. Christ	"	12 00
Katy Laceline	"	12 00
Caroline Christ	"	6 00
Alice Dearduff	"	10 00
Sarah Saunders	"	10 00
Lida Holmes	"	12 00
Maggie Whitman	"	12 00
Eliza Ault	Dining room	12 00
Matilda Berry	"	12 00
Ollie Stephens	"	12 00
Eliza Doty	"	12 00
Mary Morris	"	10 00
Ellen Shirley	Seamstress	12 00
Sophia Weber	Sick nurse	12 00
Susan Tonsted	Hall	10 00
Alice McCabe	"	10 00
Rosa Bauer	Washer	12 00
Emily Richards	"	12 00
Lizzie Kline	"	12 00
Annie Singer	"	12 00
Barbary Sharp	"	12 00

NUMBER OF PUPILS.

Number of pupils November 15, 1870	173
" " " 1871	231
Average during the year	202
Number admitted	77
Number removed	20

SEX.

Of the inmates there were—

Males	124
Females	107

AGE.

Their ages were—

2, 6 years; 2, 7 years; 10, 8 years; 15, 9 years; 31, 10 years; 17, 11 years; 22, 12 years; 17, 13 years; 23, 14 years; 25, 15 years; 12, 16 years; 23, 17 years; 15, 18 years; 7, 19 years; 3, 20 years; 3, 21 years; 4, supposed to be over —.

DATE OF RECEPTION.

1857, 1; 1858, 1; 1859, 2; 1860, 1; 1861, 3; 1862, 3; 1864, 5; 1866, 9; 1868, 43; 1869, 48; 1870, 38; 1871, 77. Total, 231.

RESIDENCE BY COUNTIES.

They were from—

Adams, 1; Allen, 6; Ashland, 3; Ashtabula, 4; Athens, 2; Champaign, 2; Clarke, 2; Clermont, 4; Clinton, 1; Columbiana, 2; Coshocton, 1; Cuyahoga, 18; Darke, 1; Defiance, 1; Delaware, 3; Erie, 2; Fairfield, 2; Franklin, 20; Geauga, 2; Greene, 6; Guernsey, 1; Hamilton, 32; Henry, 1; Highland, 1; Hocking, 1; Holmes, 2; Huron, 5; Jefferson, 1; Lawrence, 3; Licking, 4; Logan, 3; Lorain, 7; Lucas, 4; Madison, 2; Mahoning, 2; Marion, 2; Medina, 1; Mercer, 1; Miami, 3; Morgan, 1; Morrow, 3; Muskingum, 2; Noble, 1; Pickaway, 2; Pike, 2; Portage, 1; Preble, 1; Putnam, 1; Richland, 3; Ross, 1; Seneca, 1; Stark, 12; Summit, 5; Trumbull, 2; Tuscarawas, 3; Union, 1; Van Wert, 4; Vinton, 1; Washington, 11; Wayne, 4; Williams, 1; Wood, 1; Wyandot, 2; Wisconsin, 1; Tennessee. 1. Total, 231.

CHILDREN DISCHARGED, AND CAUSES.

Deceased	1
Discharged, improved	8
Removed, and now in remunerative employ	3
Removed to attend common school	1
Temporarily removed	6
Epilepsy	1
Total	20

A number of the old pupils who have no homes to go to, are retained at the Institution, taking the place of paid labor.

CAUSES OF IMBECILITY.

The following are the causes as assigned by friends, where any have been given. These are not, in all cases, satisfactory to the Superintendent. Facts bearing upon the history of these children are difficult to obtain from those upon whom we have to rely. We hope, however, with time, and by careful investigation, to collect such facts as will furnish a fuller and more accurate statement:

Consanguinity	1
Convulsions.....	16
Spinal disease.....	2
Severe illness	4
Hard fall.....	1
Inflammation of the brain	2
Pressure on brain.....	1
Neglect and hard usage of parents	2
Hydrocephalons	2
Sickness of mother during gestation.....	1
Anxiety and trouble of mother during gestation	2
Fright of mother during gestation	3
Depression of mother during gestation.....	1
Overwork of mother during gestation.....	1
Jealousy of mother during gestation	1
Mother imbecile.....	6
Both parents imbecile.....	

PAYING PUPILS.

Table showing the amount received each month and for the year, from pay inmates.

November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	Whole year.
\$87 36	230 00	512 50	175 00	401 62	347 50	....	110 00	270 80	87 50	350 00	1,218 73	3,791 01

All pupils are supported by the State. The above money was applied to the purchase of land near Asylum buildings as required by law.

CIRCULAR.

OHIO STATE ASYLUM FOR IDIOTS, }
COLUMBUS, O., January 1, 1871. }

TRUSTEES,

HON. N. S. TOWNSEND, M.D. AVON, O.
J. A. LUTZ, Esq. CIRCLEVILLE, O.
HON. P. HITCHCOCK BURTON, O.

SUPERINTENDENT,

G. A. DOREN, M.D.

This Institution was established in the year 1857, by the General Assembly of the State of Ohio, and located near the city of Columbus.

Its object is, to furnish *special* means of improvements to that portion of our youth who are so deficient in mind, or have such marked peculiarities and eccentricities of intellect, as to deprive them of the benefits of other educational institutions and ordinary methods of instruction.

The education proposed will include not only the simple elements of instruction taught in common schools, where that is practicable, but will embrace a course of training in the more practical matters of everyday life, the cultivation of habits of cleanliness, propriety, self-management, self-reliance, and the development and the enlargement of a capacity for useful occupation. As promotive of these objects, pupils will receive such physical education, and such medical, moral, and hygienic treatment as their peculiar and varied conditions demand.

Idiocy and mental imbecility depend upon some abnormal or imperfectly developed condition of the physical system—a condition in which the nervous organization is especially defective—preventing the harmonious and natural development of the mental and moral powers.

Idiots and imbeciles are feeble in body as well as mind. They are wanting in muscular and nervous power; the gait and voluntary movements are generally awkward and slow, and the special senses undeveloped or inactive. Physical training and physical development will, therefore, be essential to premanent mental improvement, and hence the importance of gymnastic and calisthenic exercises in treatment. The reciprocal influence of the body over the mind, and the mind over the body, must be carefully studied and applied. The dormant energies of the body must be aroused to action by every possible means. The wayward muscles are to be taught to move in obedience to the dim spark of will that may exist, which will must be strengthened and developed. The very feeble power of attention must be cultivated and increased by the most attractive

means. The affections must be nursed ; the special senses trained and educated ; vicious habits are to be corrected, and the idea of obedience and moral obligation must be planted and nourished.

Some feeble-minded youth give evidence of slight chronic irritation of the brain, obscure delusions, and other marks of partial insanity, or *mental derangement*, rather than of idioey. Such cases cannot be properly treated by the family physician at home, and should, therefore, be removed to some institution where they can receive that treatment and training best adapted to their restoration.

Some who are merely backward, and remain undeveloped from being misunderstood, neglected, or abused, can, by special means, be brought out and reclaimed. Others can be arrested in their downward course, and made orderly, obedient, affectionate, docile and industrious ; and nearly all can be materially improved in their general condition and habits. But, in order to secure the realization of these blessings to this afflicted class, they must have that special care, treatment and instruction which cannot be obtained in the family at home, or in private medical practice, or by any of the ordinary methods of instruction, but only in some well-directed institution, arranged, furnished and organized for the accomplishment of these special objects.

Where there is partial insanity, or marks of existing nervous irritation, or other disease, medical and other appropriate treatment will be applied. Each individual case will be a study, and must be treated as its peculiarities demand.

ADMISSION OF PUPILS, ETC.

Children between the ages of six and fifteen, who are idiotic, or so peculiar or deficient in intellect as to be incapable of being educated at any ordinary school, and who are not epileptic or greatly deformed, may be admitted by the Superintendent, with the advice and counsel of the Executive Committee. Applications in behalf of others shall be referred to the action of the Board of Trustees.

The parents, or next friends of those in whose behalf applications are made for admission as pupils, are expected to make answers in writing to such questions as the Superintendent may prescribe.

Commodious buildings, in a healthy and accessible location, and a special system of instruction, training and managements, render this institution a desirable residence for all children deficient in mind, or with marked eccentricities of intellect.

The law provides that parents, guardians, etc., "shall engage to furnish pupils with such proper clothing while in this institution, as shall be stipulated by the Superintendent; and they shall, in all cases, be bound to receive them back, when required, free of expense to the institution."

"As provided by the law, 'the directors of county and city infirmaries, or the township trustees in any county where there is no county infirmary, may remove to said asylum any idiot or imbecile youth who may be properly admitted therein; and in such cases, said directors or township

trustees shall support said youth, at said asylum, from any funds under their control applicable to the support of such infirmaries or township poor?

"The State beneficiaries will be selected in equal numbers, as far as may be, from each judicial district; provided that no youth shall be admitted as a State beneficiary as aforesaid, unless the probate judge of the county where said youth shall reside shall certify that he or she is in indigent circumstances, and has resided in the State at least one year previous to such application."

All pupils will be expected to come provided with a supply of neat and substantial clothing, adequate for the first six months. A bond will be required, in all cases, to insure the clothing and removal of the pupils, when required by the Superintendent, free of expense to the institution.

There will be a vacation during the month of August, unless otherwise directed by the Board, at which period all pupils must be removed by the parents or guardians, unless otherwise directed by the Superintendent.

The law provides that "it shall be the duty of the Trustees of this Asylum to receive propositions for donations of land or money for the benefit of said institution."

Applications for the admission of pupils, and all other general correspondence, should be directed to "Superintendent of State Asylum for Idiots, Columbus, Ohio."

G. A. D.

1

FIFTH ANNUAL REPORT
OF THE
COMMISSIONER
OF
RAILROADS AND TELEGRAPHS,
TO THE
GOVERNOR OF THE STATE OF OHIO,
FOR THE YEAR ENDING JUNE 30, 1871.

52—Ex. Doc. Pt. I.

REPORT OF COMMISSIONER.

OFFICE OF COMMISSIONER OF RAILROADS AND TELEGRAPHS,
COLUMBUS, OHIO, Dec. 15, 1871.

To his Excellency RUTHERFORD B. HAYES, Governor of Ohio :

SIR:—In obedience to the provisions of the 12th section of the law entitled “An act to provide for the appointment of a Commissioner of Railroads and Telegraphs, and to prescribe his duties,” passed April 5th, 1867, and the act supplementary thereto, passed May 13th, 1868, which requires a report to be made to the Governor “on or before the 1st day of January of each year,” for his transmissal to the General Assembly, I herewith furnish copies of the several reports as made by the Railroad and Telegraph Companies doing business in the State, embracing a statement of their financial condition, and the workings of each company for the year preceding June 30th, 1871, being the fifth annual report made by this department. Included are abstracts, statistics, casualties, tabulated results, etc., compiled from said reports, with statements, explanations, and general information furnished, which will, in a measure, disclose the operations of our railway and telegraph systems, and their bearings upon the business interests of the State, and thus aid the General Assembly in its legislation upon those important interests.

Immediately upon the passage of the law of April 5th, 1867, creating this department, Gen. George B. Wright was appointed Commissioner, and continued to discharge its official duties until October 19th, 1871, at which time he resigned, to accept the office of Vice President of the Atlantic & Great Western Railway Company. The undersigned was appointed and commissioned successor on the date of his predecessor's resignation, but did not enter on the active discharge of official duties until October 24th.

It is to be regretted that the official engagements of my predecessor would not admit of his remaining the time necessary to prepare and make this report, the tabulation for which was then in progress, so that the State could have the benefit of his experience, and such suggestions and recommendations as, in his judgment, were deemed necessary. It is not to be expected that in the short space of a few weeks, without personal or clerical

experience in so complicated a department as this, that there can be furnished that minute and detailed information on all the matters connected therewith; or that it be so fully and clearly presented as is desirable or the subject demands; but I shall briefly give such facts and information as I have been able to collect in the limited time afforded me.

REPORTS.

The "act" establishing this department gives the Commissioner authority to make such changes and additions in the forms of returns and reports as he shall think necessary. Those in use were prepared, furnished to the companies, filled and mostly returned under the administration of my predecessor. These forms are not complicated, but so simple there should be no difficulty experienced in fully and accurately complying with each requirement. It is to be regretted such has not been the case with all the companies—that all the information required by the statute has not, in every case, been furnished, and in others, where attempted to be given, there lacked that detailed, systematic business order so essential to a correct analysis of their operations; and as a consequence, the Commissioner has labored under great disadvantage, and in some cases doubts, as to the correctness of the conclusions arrived at, have been created. The prompt and full compliance of the companies would further evidence a satisfactory system of keeping accounts, calculated to inspire confidence, not only with those more directly interested, but with the public. The value of all reports, to both the State and public, but more particularly of those embracing statistics, depends upon the success of furnishing minute and reliable information, such as is absolutely necessary upon which to base intelligent legislation.

By the act of May 13th, 1868, section 9, it is "made the duty of the President or other officer in charge of each and every railroad company having a line of railroad in this State to make an annual report to the Commissioner for the year ending on the 30th day of June preceding, which report shall be verified by the oath or affirmation of such President or other officer in charge, and be filed in the office of the Commissioner by the first day of September in each year." By reference to the alphabetical lists accompanying this and former reports, which give the respective dates when filed, it will be seen that a small proportion only of the reports are received in accordance with the requirements of this provision of the law, some having been delayed until about the close of the fiscal year. When it is remembered that a large amount of clerical labor is required for a careful examination of each, and a correction of many of the reports, the time necessary for a correct tabulation of the different items, and for preparation

of the annual report, it becomes imperative to require in future a strict compliance with the law in this respect. The time allowed companies is ample for a full and accurate statement to be made, if not postponed or neglected.

ACCIDENTS.

Although there has been an increase of casualties the past year, it will be observed that not a single fatal accident is reported as having occurred to any passenger from causes beyond their own control, and in many cases the injuries sustained by that class are so trivial as to be scarcely worthy of being reported. Employes have suffered the most.

Whilst there has been an increase of accidents, it is a source of gratification that the State has been exempt from those frightful disasters involving large loss of human life, such as has occurred in other sections of the country; in some cases the result of mismanagement or carelessness of employes; in others from causes beyond their control, such as breaking of rails, wheels, axles, etc. Observation justifies the opinion that most of the Ohio roads are managed with a degree of skill, caution and intelligence surpassed by but few States in the country.

The usual tabulated statement of accidents resulting in personal injuries, and the causes thereof, accompany this report. [See Table L.]

There has been transported the past year, in round numbers, about 12,000,000 persons. In arriving at this aggregate number, it is proper to state that two roads (who report no passenger account as having been kept by them) are estimated. These figures are regarded as being below rather than above the actual number, which will make the following deductions, though not strictly accurate, sufficiently so for our purpose.

By the table referred to, it will be seen that 441 casualties have been reported during the year, of which 161 resulted in the loss of life, being an increase of 36 per cent. over last year. The increase of injuries is about 37 per cent. There were 7 passengers reported injured (none killed) by causes beyond their own control; or one person in 1,714,286 transported. From misconduct or carelessness 4 passengers are reported killed, or about one person in 3,000,000 carried. And 11 passengers were injured from their own carelessness or want of caution, being one in 1,090,909 carried. Of employes, 19 are reported killed, and 43 injured from causes beyond their own control, and from misconduct 54 employes were killed and 162 injured. The large number of 61 persons were killed, and 31 received injuries, not fatal, by walking or riding on tracks in violation of law and the rules of the companies.

The proportion of accidents of all descriptions to travelers, of the whole number of persons transported, was as one to about 545,454. Not-

withstanding the large number of passengers transported within the year (say 12,000,000), and the fact that there has been an increase of casualties, it is apparent that with proper care on the part of passengers, and a compliance with the rules established for the regulation of trains and safety of persons, that there is no method of transportation so safe, comfortable, and at the same time so speedy, as by railway.

CAR-BRIDGES.

The Legislature passed a law March 10, 1871, to take effect September 1, 1871, "To promote the safety of travelers upon railways in the State of Ohio," which requires "that every railroad company conveying passengers in this State shall provide their passenger cars, on their trains, with a flexible or movable bridge or apron of the full width of the opening between the railings attached to the platforms of their cars, with sideboards or net-work of strap iron or large wire, or other suitable material, at each side of said bridge or apron, of at least equal height with the ordinary railings upon said platforms, or some other apparatus or arrangement equally efficient, so as to enable passengers to pass from car to car with safety." The law also provides that they shall be subject to a penalty of \$100 for each and every day of neglect (after said September 1st), to comply with the provisions of the act above recited.

It is also made the duty of the Commissioner to see that the provisions of this law are enforced. On the 5th day of May, my predecessor sent a circular letter to the proper officer in charge of every road in the State, enclosing a copy of the law, calling their attention to its provisions and requirements, and urging a prompt compliance. The time allowed by the act in which to comply not having expired at the date to which they were required to report their yearly condition; the only information I am able to furnish on the subject, is from the correspondence had by my predecessor with the managers of the companies; in which is expressed a willingness on the part of all the roads, with a few exceptions, to comply with the requirements of the law by the time specified in the act. To those claiming this law to be unnecessary and useless, it is proper that the Commissioner should remind them that there is no discretionary power given him, but that he must require a compliance with this as well as all other provisions of existing law.

CAPITAL STOCK—RAILROADS.

The amount of capital stock paid in is \$210,387,148.87, being an increase within the year of \$13,493,593.17. There remains a subscribed, but not

paid in, capital stock amounting to \$2,349,113.75, being a reduction since last report of \$522,176.80, making the total amount of stock subscribed \$214,236,262.62, (see note on page 16, explaining discrepancy of \$1,500,000.) Ohio's proportion of stock according to miles of road in the State is \$115,432,037.91.

DEBTS—RAILROADS.

The railroad funded debt amounts to \$171,011,060.57, being an increase within the year of \$15,377,442.48. The amount of floating debt is \$6,541,632.33, which is an increase of \$950,808.87, making the whole amount of funded and floating debt \$177,552,701.90, of which the proportion for Ohio, according to miles of road in the State, is \$95,844,981.30, making the total amount of stock and debt \$391,788,964.52. The proportion for Ohio of the same is \$209,564,675.54.

ROAD AND EQUIPMENT.

The total cost of entire roads and equipment to June 30, 1871, amounts to \$365,778,316.25, which is an increase the past year of \$32,282,199.30. In this is not included the expenditures on several new roads now in course of construction, which, under the law, are not required to make any detailed report of their operations to this department, and which, if included, would largely increase this amount.

The Commissioner fails to see any good reason for this exception, but, on the contrary, is of opinion that all roads, whether constructed or in course of being built and equipped, should make a detailed exhibit of their affairs, and therefore recommends that the law, in that respect, be amended so as to require it in future.

The proportion of cost of roads and equipment for this State, according to miles of road within it, is \$188,152,405.56, being an increase in the year of \$12,010,321.55.

The number of employes on all the roads in the State, is 21,193 persons, showing a reduction of 702 persons in operating force as compared with the returns of last year.

It will be observed that in the aggregate there has been a large addition to rolling stock, which, on many roads, has been greatly needed. It is hoped the earnings of the roads will enable them to continue such additions, until transportation facilities shall be sufficient for all the demands of local as well as through business.

CHARACTERISTICS OF ROADS.

Length of entire main lines	5,464	54-1000 miles.
Length of branches	1,072	456-1000 "
Total main lines and branches.....	6,536	504-1000 "
Being an increase in length within the year of.....	253	419-1000 "

The necessity of a good superstructure is acknowledged by those having in charge the vast railway interests of the State, and the Commissioner is informed by his predecessor that there is a commendable spirit manifested by those having control of this interest to continue improving to the extent of their financial ability, and thus make their lines of transit both safe and speedy.

In this connection is suggested the important question of speed of trains, and the increased risk incurred while running at the rate of 30, 35, 40 and 45 miles per hour, exclusive of stops. From the best information attainable, after consultation with those of skill and experience in the management of roads, it is the opinion of the Commissioner that if a lower rate of speed should be adopted it would be found advantageous to the companies, in being more economical, with fewer accidents, and the public be equally well satisfied. This would be the case more particularly during the extreme cold weather of winter, when tracks are liable to be obstructed with snow and ice, and the increase of breakage of axles, wheels, machinery, and of other causes beyond control, greatly endangers, at the present high rate of speed, the lives of passengers and safety of property. A speed of 25 miles per hour may be regarded as being within the limits of a greater degree of safety. The attention of the General Assembly may, with propriety, be called to the consideration of this important subject.

LENGTH OF LINES IN OHIO.

Length of single main track, laid with iron, 2,956,³/₁₀₀ miles.

Length of branches, single main track, 501,³/₁₀₀ miles.

Making total length of main line and branches, 3,457,⁶/₁₀₀ miles.

An increase within the past year of 84,⁶/₁₀₀ miles.

Total length of double main track, 73,⁷/₁₀₀ miles.

Total length of sidings, 622,⁶/₁₀₀ miles.

Total length of double gauge track, 148,¹/₁₀₀ miles.

Total length of iron embraced in the preceding heads, 4,302,¹/₁₀₀ miles, being an increase of 138 miles the past year.

There are several new roads in the course of construction, which will be completed within the next year, adding largely to the facilities of both travel and transportation.

BRIDGES.

There are within the State 691 wooden bridges and 779 trestles, aggregating not less than 145,297 feet. In the opinion of the Commissioner, these structures should have a thorough examination, made by a competent engineer—one conversant with their construction—with instructions to report their condition, whether considered entirely safe, or if, in his opinion, there is doubt, in order that the necessary means may be adopted to render them perfectly secure. This is recommended as a precautionary measure, and from the fact that many of these structures were built years since, when the science of bridge-building was but imperfectly understood and economical construction a necessity. Of the number as given, 93 bridges are new or have been rebuilt within the past year, with an aggregate length of 11,299 feet.

The 47 iron bridges in the State, 5,573 feet in length, are considered as being in good and safe condition, though a careful examination, as recommended, may be advisable, as well as prove beneficial in the increased feeling of security thereby afforded.

The 94 stone bridges and culverts, measuring 6,834 feet, are all considered in a safe condition.

Tunnels were not reported the past year, but there is no apparent reason why they should be omitted, and in future a report of their number, length and condition will be required.

EARNINGS, EXPENSES, ETC.

The gross receipts for the year ending June 30th, 1871, by entire lines of all the roads in the State, amount to \$59,151,418.82, the proportion of which for Ohio, according to miles of road in the State, is \$30,384,518.27.

The operating expenses for the same period, including taxes, and interest on floating debt, amount to \$40,296,667.38; proportioned to Ohio according to miles of road, \$20,776,222.57.

There is left a balance on entire lines of \$18,854,751.44, to be applied to the payment of interest on bonds, stocks, etc., the proportion belonging to Ohio being, according to miles of road, \$9,608,295.70.

The increase of earnings from all sources over last year amounts to \$6,255,606.23, or 11.1% per cent.

The estimated number of passengers transported about equals that of the preceding year, but the number of tons freightage reported exceeds the previous year 599,925 tons, to which add amount carried by two roads not reporting, estimating the same, as in 1870, 1,799,483 tons, makes a gain in tonnage of 2,399,231 tons, or 16½ per cent. increase.

RATIO OF MILEAGE TO POPULATION.

The ratio of mileage of railways in the State to population is as one mile of road to 746 inhabitants. The probabilities are that the mileage of railways for some years to come will exceed in ratio the annual increase of population.

FENCING.

By reference to the statistics furnished in regard to fencing, it will be seen that there have been 182½ miles constructed within the past year, leaving 670 miles unfenced. The proportion required to be made by railways or land-owners is not shown by the reports, and there is no data in this office which will enable the Commissioner to determine it.

INSPECTION.

It is the purpose of the commissioner, if the time required for office duties will admit, to make in the course of the coming year, a personal examination of all the railroads in the State—the condition of road bed, bridges, trestles, tunnels, water-stations, depot buildings, platforms and such other particulars as are essential to the safety and comfort of the traveling public; all of which will be embraced in the next report, for the information of the General Assembly.

TELEGRAPH LINES.

The imperfect reports received from Telegraph Companies develop only the following facts in regard to their annual operations ending June 30, 1871.

There has been erected within the year, 2,117 miles of poles.

And added to their lines, 7,901 miles of wire.

There is now in operation in the State, 5,038 miles of line, with 12,535 miles of wire, and 464 offices, employing 595 persons to operate the same.

The number of miles of wire used jointly with railroad companies in the State, is 4,122.

Reference to the reports of 1870 and the present year, made by telegraph companies to this department, discloses the fact that they are so meagre, incomplete and unsatisfactory, that it is with difficulty they can either be analysed, tabulated, or put into intelligible shape, so as to be of value to the General Assembly. It will be seen upon examination of these reports, that in some cases many of the more important items called for in the furnished blanks are not given, such as—

Amount of stock.

Amount of bonded and floating debt.

Amount of assets and liabilities.

Cost of line and equipment.

Cost of line and equipment, in Ohio.

Receipts and expenditures for the year.

Taxes paid, State and National.

From which it seems to be necessary that there be a change in the present law, making it as in the case of railroad companies compulsory, with a penalty for refusing or neglecting to report by September 1st, in each year; the time specified in the law—this being no doubt the intention of the legislature in the passage of the act.

The only reference in the present law to telegraph companies, is in section 11 of the act passed April 5th, 1867 "to provide for the appointment of a Commissioner of Railroads and Telegraphs, and prescribe his duties," and in the supplementary act hereto, passed May 13, 1868, last clause of section 1 which amends section 9 of the first named act. "It is hereby made the duty of the chief manager or agent of each telegraph line or company in this State annually to furnish, under oath, such information and in such form as the Commissioner may require—and directs him to prepare and furnish to each of such companies having lines in the State, blank forms for making the reports required."

I respectfully call the attention of the legislature to this subject.

RECOMMENDATION.

It is recommended that the present law be so changed, as to require Telegraph companies to make full and complete report in accordance with the blank forms furnished for that purpose, and that a penalty be attached for neglect or non-compliance, similar to that relating to railroad companies.

I would also recommend that railroad and telegraph lines in course of construction shall each be required to have an annual report made of their financial condition, progress and cost of construction, with such other information as may be deemed necessary, said reports to be made up to the date and filed in this department within the time prescribed by the present law; and made subject to the penalty now attaching to railroad companies for non-compliance, by neglect or refusal.

STREET RAILWAYS.

There are now in operation in this State twenty street railroads. These roads have been incorporated under the general law of the State, as joint stock companies, and there would seem to be a propriety, if not necessity, in requiring these companies to make annual exhibits of their workings and financial condition, as do other similar corporations, for the benefit of those interested, and the public.

The attention of the Legislature is respectfully called to the subject for such action as may be deemed necessary or advisable, in reference thereto.

Owing to the very limited time the Commissioner has been in discharge of the official duties of this department, he has not attempted the discussion of any of the complicated questions arising out of, and connected with the workings of our railway system.

It will be the pleasure of the Commissioner to familiarize himself with the duties growing out of, and connected with the office, and to make such suggestions and recommendations as experience shall indicate as judicious and necessary for the advancement, control and management of these important and rapidly developing interests in our State.

Respectfully submitted,

R. D. HARRISON,
Commissioner.

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ALPHABETICAL LIST

OF THE

RAILROAD AND TELEGRAPH COMPANIES

HAVING LINES IN OHIO, WITH DATES OF FILING REPORTS.

RAILROAD COMPANIES.	DATE OF FILING.
Atlantic and Great Western Railway Company (two reports).....	Sept. 11, Oct. 28, 1871
Carrollton and Oneida Railroad Company.....	August 24, 1871.
Central Ohio Railroad Company.....	October 16, 1871.
Cincinnati and Baltimore Railway Company.....	October 14, 1871.
Cincinnati, Hamilton and Dayton Railroad Company.....	September 1, 1871.
Cincinnati and Indiana Railroad Company.....	September 30, 1871.
Cincinnati and Muskingum Valley Railroad Company.....	October 13, 1871.
Cincinnati, Richmond and Chicago Railroad Company.....	September 1, 1871.
Cincinnati, Sandusky and Cleveland Railroad Company.....	October 10, 1871.
Cleveland, Columbus, Cincinnati and Indianapolis Railway Comp'y	September 1, 1871.
Cleveland and Mahoning Railroad Company.....	August 22, 1871.
Cleveland, Mt. Vernon and Delaware Railroad Company.....	October 16, 1871.
Cleveland and Pittsburgh Railroad Company.....	September 1, 1871.
Columbus, Chicago and Indiana Central Railway Company.....	August 5, 1871.
Columbus and Hocking Valley Railroad Company.....	September 8, 1871.
Columbus, Springfield and Cincinnati Railroad Company.....	October 28, 1871.
Columbus and Xenia Railroad Co. (<i>Leased to P., C. & St. L. Ry Co.</i>)	No report.
Dayton and Michigan Railroad Company.....	September 1, 1871.
Dayton and Union Railroad Company.....	September 13, 1871.
Dayton and Western Railroad Co. (<i>Leased to P., C. & St. L. Ry Co.</i>)	No report.
Harrison Branch Railroad Company (two reports).....	Sept. 22 and 30, 1871.
Iron Railroad Company.....	August 17, 1871.
Junction (Cincinnati and Indianapolis) Railroad Company.....	November 11, 1871.
Lake Erie and Lonisville Railroad Company.....	August 31, 1871.
Lake Shore and Michigan Southern Railway Company.....	August 23, 1871.
Little Miami Railroad Company.....	October 7, 1871.
Mansfield, Coldwater and Lake Michigan Railroad Company.....	November 22, 1871.
Marietta and Cincinnati Railroad Company.....	September 6, 1871.
Marietta and Pittsburgh Railroad Company.....	September 21, 1871.
Massillon and Cleveland Railroad Company.....	July 24, 1871.
Newark, Somerset and Straitsville Railroad Company.....	September 27, 1871.
Niles and New Lisbon Railway Company.....	September 6, 1871.

Ohio and Mississippi Railway Company.....	August 28, 1871.
Pittsburgh, Cincinnati and St. Louis Railway Company.....	September 13, 1871.
Pittsburgh, Ft. Wayne and Chicago Railway Company.....	September 18, 1871.
Rocky River Railroad Company.....	August 18, 1871.
Sandusky, Mansfield and Newark Railroad Company.....	October 20, 1871.
Toledo, Wabash and Western Railway Company.....	September 21, 1871.

TELEGRAPH COMPANIES.

Atlantic and Pacific Telegraph Company.....	October 14, 1871.
Hillsboro' Telegraph Company.....	September 8, 1871.
Pacific and Atlantic Telegraph Company of the U. S.....	October 30, 1871.
Telegraph line of the Marietta and Cincinnati Railroad Company.	August 25, 1871.
Western Union Telegraph Company.....	October 14, 1871.

ABSTRACT

OF THE

REPORTS OF RAILROAD AND TELEGRAPH COMPANIES IN THE STATE OF OHIO,

FOR THE YEAR ENDING JUNE 30, 1871.

1ST. RAILROADS.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$245,887,185 71
The amount of capital stock paid in	210,387,148 87
The amount of capital stock subscribed unpaid	2,349,113 75

Total amount of stock	*\$214,236,262 62
Proportion of stock for Ohio, according to miles of road in the State...	\$115,432,037 91

DEBTS.

The amount of funded debt	\$171,011,069 57
The amount of floating debt	6,541,632 33

Total amount of funded and floating debts	\$177,552,701 90
Proportion of debt for Ohio, according to miles of road in the State....	\$95,844,981 30
Total amount of stock and debt	\$391,788,964 52
Proportion of stock and debt for Ohio, according to miles of road in the State	\$209,564,675 54

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871	\$365,778,316 25
Proportion of cost of road and equipment for Ohio, according to miles of road in the State	\$188,152,405 56

AS TO CHARACTERISTICS OF THE ROADS.

LENGTH OF ENTIRE LINES.

	Miles.
Length of entire main lines	5,464 054-1000
Length of branches	1,072 450-1000
Total length of entire main lines and branches	6,536 504-1000

* It will be seen that the addition of the two items above does not correspond with the total here given. The discrepancy arises from the authorized stock of the Col., Springf'd & Cin. R. R. Co. (\$1,500,000, as taken from former reports,) not being reported as to amounts paid and unpaid.

LENGTH OF LINES IN OHIO.

	Miles.
Length of single main track laid with iron.....	2,956 304-1000
Length of branches, single main track.....	501 310-1000
Total length of main line and branches	3,457 614-1000
Total length of double main track.....	73 716-1000
Total length of sidings	622 698-1000
Total length of double gauge track.....	148 163-1000
Total length of iron embraced in preceding heads.....	4,302 191-1000

Of the double gauge track, 112½ miles is main line. This, added to total length of main line and branches, gives a total length of line in Ohio of 3,570 miles (and a fraction), excluding double tracks, sidings, etc.

BRIDGES AND TRESTLES IN OHIO.

Wooden Bridges—

Number.....	691
Aggregate length	76,133 feet.

Iron Bridges—

Number.....	47
Aggregate length	5,573 feet.

Stone Bridges—

Number.....	*94
Aggregate length	*6,834 feet.

Wooden Trestles—

Number.....	779
Aggregate length	69,164 feet.

New Bridges built within the year ending June 30, 1871—

Number.....	93
Aggregate length	11,299 feet.

FENCING IN OHIO.

Length of road unfenced (reported).....	670½ miles.
Length of road fenced within the year ending June 30, 1871.....	182½ miles.

EQUIPMENT—ENTIRE LINES.

Number of locomotives.....	1,717
Number of passenger cars.....	874
Number of express and baggage cars.....	474
Number of freight cars.....	30,173
Number of other cars	1,427
Total number of persons employed in operating the roads in Ohio	21,193

IRON RAIL LAID, AND STEEL RAIL IN USE.

	Miles.
Total length of new iron rail laid within the year.....	251 800-1000
Total length of re-rolled iron rail laid within the year.....	702 962-1000
Total length of spliced and mended iron rail laid within the year.....	327 796-1000
Total length of steel rail in use.....	104 166-1000

* Includes 1 viaduct, length 700 feet.

MILEAGE OF LOCOMOTIVES AND CARS—ENTIRE LINES.

Locomotives.

Number of miles run by locomotives hauling passenger trains	13,535 175
Number of miles run by locomotives hauling freight trains	28,381 706
Number of miles run by locomotives hauling mixed trains	1,186 232
Number of miles run by locomotives hauling construction and other trains	3,902 164
<hr/>	
Total mileage of locomotives within the year ending June 30, 1871	47,005 277

Cars.

Number of miles run by passenger cars	31,542 071
Number of miles run by express and baggage cars	14,107 505
Number of miles run by freight cars	212,509 660
Number of miles run by caboose cars	53,968 077
Number of miles run by cars in construction and other trains	10,277 956
<hr/>	
Total mileage of cars within the year ending June 30, 1871	322,405 269

DOINGS IN TRANSPORTATION—ENTIRE LINES.

Number of passengers, all classes, carried in cars	9,740,910
Total miles traveled by passengers, or number of passengers carried one mile	413,419,943
Number of tons of through freight carried	*6,281,364
Number of tons of local freight carried	*8,874,159
<hr/>	

Total number of tons of freight, through and local, carried, not including P. C. & St. L. and Junction Railroads, who make no returns, but reported 1,799,483 tons for 1870	*15,464,340
Total number of tons of freight carried one mile	1,773,983,405

EARNINGS.

From transportation of passengers	\$16,333,218 82
From transportation of freight	39,296,617 11
From mail	813,249 97
From express	1,243,375 74
From all other sources, except increase of capital stock, including rents, etc.	1,464,957 18
<hr/>	
Total earnings for the year ending June 30, 1871	\$59,151,418 82

OPERATING EXPENSES.

For maintenance of way and structures	\$11,668,095 76
For maintenance of cars	3,825,921 41
For motive power	6,330,505 75
For conducting transportation	15,099,838 70

* The number of tons given of "through" and "local" freight carried, when added, do not aggregate same as total given. One road reports 1,500 tons, and one 307,317 tons, (the discrepancy) without giving classes.

General expenses, as follows :

State taxes paid in Ohio.....	\$889,571 45
State taxes paid in other States	405,003 45
National taxes	150,352 58
Interest on floating debt.....	318,887 69
Other general expenses	1,608,490 59
Total general expenses for the year.....	3,372,305 76
Total operating expenses for the year	\$40,296,667 38
Total net earnings for the year.....	\$18,854,751 44
Proportion of earnings for Ohio, according to miles of road in the State..	\$39,384,518 27
Proportion of operating expenses for Ohio, according to miles of road....	20,776,223 57
Proportion of net earnings for Ohio, according to miles of road in the State	9,698,295 70

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

[The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871.]

Interest on bonds.....	\$7,505,433 31
Dividends on preferred stock.....	456,450 16
Tax on same	14,098 83
Dividends on common stock	6,673,976 11
Tax on same	133,528 75
Construction of new work (reported).....	4,029,503 10

ANIMALS KILLED IN OHIO.

Number of farm animals killed.....	2,348
Amount of damages paid therefor.....	\$55,490 03

ACCIDENTS TO PERSONS IN OHIO.

Passengers killed from causes beyond their own control.....	none
Passengers injured from causes beyond their own control.....	7
Passengers killed from their own misconduct or want of caution	4
Passengers injured from their own misconduct or want of caution.....	11
Employees killed from causes beyond their own control	19
Employees injured from causes beyond their own control.....	43
Employees killed from their own misconduct or want of caution	54
Employees injured from their own misconduct or want of caution.....	162
Others killed, riding, walking or being on track.....	61
Others injured, riding, walking or being on track.....	31
Others killed from miscellaneous causes.....	23
Others injured from miscellaneous causes	26

Total killed—

Passengers	4
Employees	73
Others	84
	161

Total injured—

Passengers	18
Employees	205
Others	57
	<hr/> 280

2D. TELEGRAPHS.

CHARACTERISTICS OF THE LINES.

Number of miles of entire lines (poles) operated by the companies	62,815
Number of miles of wire on entire lines operated by the companies	134,544
Number of miles of line (poles) in Ohio	5,038
Number of miles of wire in Ohio	12,535
Number of offices in Ohio	464
Number of persons employed in operating the lines in Ohio	595
Number of miles of line in Ohio used jointly with railroad companies	4,122

AS TO VALUE OF LINES AND EQUIPMENTS IN OHIO.

Total value of poles in Ohio	*
Total value of wire in Ohio	*
Total value of all other property in Ohio	*
Total value of line and equipment in Ohio	<hr/> *

* Two companies only have reported these items as required, which renders it impossible to furnish the desired information.

ANNUAL REPORTS
OF
RAILROAD COMPANIES,
FOR THE YEAR ENDING JUNE 30, 1871.

ANNUAL REPORT

OF THE

ATLANTIC AND GREAT WESTERN RAILWAY COMPANY,

For the year ending June 30, 1871.

[The following report, as to Stock and Debts, and names and residence of Directors and Officers of the company, is made by the company proper. The characteristics and operations for the year, etc, are reported by the Erie Railway Company, lessee of the lines of this company, in a separate paper, following this.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$30,000,000 00
The amount of capital stock paid in	29,598,695 38
Amount of stock per mile of road (426 miles)	69,450 80
Proportion of stock for Ohio, according to miles of road in the State (251½ miles)	17,474,345 70

DEBTS.

The amount of funded debt (giving classes) as follows:

1st mortgage bonds	\$8,512,400 00
2d mortgage bonds	3,908,000 00
Consolidated mortgage bonds	17,579,500 00
<hr/>	
Total amount of funded debt	29,999,900 00
Amount of debt per mile of road (426 miles)	70,422 30
Proportion of debt for Ohio, according to miles of road in the State (251½ miles)	17,711,208 45
Total amount of stock and debt	59,598,595 38
Total amount of stock and debt per mile (426 miles)	139,873 10
Total amount of stock and debt for Ohio (251½ miles)	36,185,554 15

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
James McHenry.....	New York City.
John Gardner	"
Rush C. Hawkins	"
Thomas W. Kennard	"
Wentworth Hayshe	"
John B. Pannes	"
W. P. Rogers.....	"
Lawrence Johnston.....	"
D. J. Day	"
W. W. Macfarland.....	"
Charles Day	"
David Jones	Ravenna, O.
Tatlow Jackson	Philadelphia, Pa.
Jacob Riblet	Galion, O.
George B. Babcock	Buffalo, N. Y.
Joseph Larocque	New York City.
William H. Taylor.....	"
Samuel L. M. Barlow.....	"
James McHenry, President.....	New York City.
John Gardner, Vice President.....	"
Charles Day, Secretary	"
Lawrence Johnston, Auditor.....	"

[Report duly subscribed and sworn to, by John Gardner, Vice President, Sept. 7, 1871, before G. A. C. Barnett, Notary Public, New York City.]

ANNUAL REPORT
OF
ERIE RAILWAY COMPANY, LESSEE
OF THE
ATLANTIC AND GREAT WESTERN RAILWAY,
For the year ending June 30, 1871.

[The following report is made by the Erie Railway Company, and embraces the characteristics and operations of the Atlantic and Great Western Railway and the Cleveland and Mahoning Railroad, operated under lease by that company.]

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF ENTIRE LINE.

Total length of entire line and branches:

Main line	387½	
Branches.....	119½	
Total.....	507	miles.

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron	246.02	"
Length of branches (naming each branch), stating whether they have single or double track, as follows:		
Mahoning branch (single track).....	81	
Silver Creek branch (single track).....	5.66	
Total length of branches.....	86.66	"
Aggregate length of sidings and other tracks not above enumerated	54	"
Of the above, main line, branches, sidings, etc., there is of double gauge.	62	"
Total length of iron embraced in preceding heads.....	448.68	"
How much of the road in Ohio is ballasted, and with what material?		
Miles fully ballasted with gravel	327	"
Miles partially ballasted with gravel	5.58	"
How much of the road has been ballasted since June 30, 1870, and with what material?		
17½ miles with gravel. A large amount of repairing and patching with gravel has also been done.		

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State?

Mahoning Railway (now Mahoning Division)	Leavittsburg.
Cleveland & Pittsburgh Railway	West Ravenna.
Cleveland, Delaware & Mt. Vernon	Akron.
Pittsburgh, Ft. Wayne & Chicago	Mansfield.
Lake Erie Div. of Baltimore & Ohio Railway	Mansfield.
Cleveland, Columbus & Cincinnati Railway	Galion.
Cleveland, Columbus, Cincinnati, Bellefontaine & Ind. Railway	Galion.
" " " " " "	Marion.
Columbus, Chicago & Indianapolis Railway	Urbana.
Cincinnati, Sandusky & Cleveland Railway	Urbana.
" " " " " "	Dayton.
Dayton & Michigan Railway	Dayton.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet:

Number	81
Aggregate length	7,466 feet.

Number of iron bridges, and aggregate length in feet:

Number	4
Aggregate length	346 feet.

Number of wooden trestles, and aggregate length in feet:

Number	1
Aggregate length	300 feet.

The greatest age of wooden bridges

7 yrs.

The average age of wooden bridges

4 yrs.

The greatest age of wooden trestles

7 yrs.

The number and kind of new bridges built within the year, (ending June 30 1871,) and length in feet:

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built—date.
Kneisley's	Howe Truss	Wood	320	Sept., 1870.
Shenango Sharon	"	"	300	July, 1870.
Mahoning	"	"	140	Oct., 1870.
Eagle Creek	"	"	64	Oct., 1870.
Cuyahoga River, Clev'nd	"	"	200	Oct., 1870.
Ohio Canal, Cleveland	Post Truss	Iron	81	Sept., 1870.
Spains River	Howe Truss	Wood	100	Sept., 1870.
Mahoning, Warren	"	"	264	May, 1871.
Mad River, Springfield	"	"	162	June, 1871.

All the trestles in Ohio are filled with the exception of 300 ft. at Springfield, which will be filled this year. Masonry all completed. This applies to whole road, all the trestles being filled.

FENCING IN OHIO.

The length of road unfenced on either side, [both sides,] and the reason therefor.
 13 miles unfenced, or partially fenced. Work of completing is now going on.
 Length of road fenced within the past year (ending June 30, 1871,) and cost per rod.
 2 miles of new fence, at an average of \$1.30 per rod. A large amount of fencing has been rebuilt and repaired.

EQUIPMENT.

Number of locomotives.....	166
Number of passenger cars.....	79
Number of express and baggage cars	33
Number of freight cars	3,363
Number of other cars.....	17
Total number of persons employed in operating the road	964

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion.....	33
Average rate of same, including stops	30
The highest rate of speed allowed by mail and accommodation trains when in motion	18
Average rate of same, including stops	16
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same, including stops	10

RATES OF TRANSPORTATION.

PASSENGERS.

The rate of fare for Passengers, charged for the respective classes per mile.	First class.	Second class.
	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried..	5	2 11-100
Highest rate per mile for distances more than 5 and less than 15 miles..	4 16-100	.....
Highest rate per mile for distances more than 15 and less than 30 miles	3 85 100	.....
Highest rate per mile for distances more than 30 and less than 50 miles	3 81-100	.....
Highest rate per mile for distances more than 50 and less than 100 miles	3 80-100	.....
Highest rate per mile for the whole length of the main road in Ohio...	3 60-100	.....
Highest rate per mile for <i>through</i> passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State.....	3 53-100	.....
General average rates.....	2 50-100	.....

FREIGHT.

The rate per ton per mile charged for the various classes of frt—through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried....	80	66 60-100	53 26-100	40	-----
Highest rate per ton per mile for distances of more than 5 and less than 15 miles.	26 60-100	22 20-100	17 60-100	13 20-100	-----
Highest rate per ton per mile for distances of more than 15 and less than 30 miles.....	9 60-100	8 28-100	7 60-100	6 20-100	-----
Highest rate per ton per mile for distances of more than 30 and less than 50 miles.....	7 80-100	7 40-100	6 20-100	5 20-100	-----
Highest rate per ton per mile for distances of more than 50 and less than 100 miles.....	7	6	4 80-100	3 80-100	-----
Highest rate per ton per mile for the whole length of the main road in Ohio	4 70-100	4 5-100	3 26-100	2 41-100	-----
Highest rate per ton per mile for <i>through</i> freight, that is freight passing from and over the line to points on the lines of other companies or points beyond the State.....	4 8-100	3 48-100	2 78-100	1 76-100	1 16-100
General average rates.....	1 25-100	-----	-----	-----	-----

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID, AND STEEL RAIL IN USE.

The length of rerolled iron rail laid within the year.....	11,411 tons.
The length of spliced and mended iron rail laid during the year.....	50 miles.
How much steel rail have you, and how long laid?	
Length	2,000 feet.
How long laid	2 years.

What is the relative durability and value of steel rails compared with iron, as used on your road?

Can give no opinion from our own observation, there being no steel rail laid upon main track. The steel rail mentioned above being laid upon a very sharp curve into engine house, where constant running is being done, (though slow), it stands the wear well.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	926,734
The number of miles run by locomotives hauling freight trains.....	3,790,432
The number of miles run by locomotives hauling mixed trains	44,163
The number of miles run by locomotives hauling construction and other trains not named above.....	112,048
Total mileage of locomotives.....	4,873,377

CARS.

The number of miles run by passenger cars	3,123,272
The number of miles run by express and baggage cars	1,047,767
The number of miles run by freight, caboose and other cars not named above	44,080,867
Total mileage of cars	48,251,906

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	811,959
Total miles traveled by passengers, or number of passengers carried one mile	37,003,577
Average number of miles traveled by each passenger carried	45½
Average amount received from each passenger carried	\$1 20
Average amount <i>per mile</i> received from each passenger carried	2½ cents.

FREIGHT.

The number of tons of through freight carried	653,291
The number of tons of local freight carried	1,596,181
Total number of tons, through and local, carried	2,249,472
Total number of tons of freight carried one mile	260,545,938
Average amount received for each ton of freight carried	\$2 24
Average amount <i>per mile</i> received for each ton of freight carried	85-100 cents.

TONNAGE OF ARTICLES TRANSPORTED.

	Tons.
Coal	794,164
Petroleum	230,079
Ores—iron and other	243,872
Lumber and other forest products	72,300
Animals	51,358
Agricultural products, except grain	264,748
Manufactures	334,567
Merchandise and other articles	258,384
Total	2,249,472

FUEL CONSUMED.

Cords of wood consumed, 29,295	\$79,572 85
Tons of coal consumed, 124,883	331,484 72

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$975,773 68
From transportation of freight	3,485,382 36
From mail	38,050 00
From express	109,415 14
From all other sources, except increase of capital stock, including rents, etc.	58,519 11
Total earnings for the year	<u>\$4,667,139 29</u>

OPERATING EXPENSES.

For maintenance of way and structures	\$1,255,709 69
For maintenance of cars	397,159 09
For motive power	475,435 70
For conducting transportation	1,531,757 07
General expenses, as follows:	
Taxes, State and National—	
{ Ohio	\$105,000 00
State taxes. { New York	14,000 00
{ Pennsylvania	2,000 00
National taxes	7,493 34
Interest on—	
McHenry House	\$6,046 21
Notes, etc	23,675 40
	<u>29,721 61</u>
Other general expenses—	
Hire of cars	\$58,877 04
Other expenses	114,645 93
	<u>173,522 97</u>
Total general expenses	331,737 92
Total operating expenses (being 86½ per cent. of earnings)	<u>3,991,799 47</u>
Net earnings	<u>\$675,339 82</u>

AMOUNTS PER MILE OF ROAD AND PROPORTION FOR OHIO.

[Apportionments made on a basis of 507 miles for entire line, and 329 miles for Ohio.]			
Amount of earnings per mile	\$9,205 40—proportion for Ohio..		\$3,028,576 60
Amount of operating expenses per mile..	7,873 37—	“ “ ..	2,590,338 73
Amount of net earnings per mile	1,332 03—	“ “ ..	438,237 87

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

This (A. & G. W.) Railway, including C. & M. R. R., 30 per cent. of gross earnings	\$1,381,795 29
Construction of new work	76,308 44
Total payments in addition to operating expenses	<u>\$1,458,103 73</u>
No account kept of animals killed.	

ACCIDENTS TO PERSONS IN OHIO.

July 6, 1870. One person injured (on track) at North Lewisburg. James Connor attempted to pass through between freight cars. Had leg jammed.

July 9, 1870. One employe killed at Girard, (want of caution). Wm. Mosier, brakeman, was running two cars down grade and collided with a train.

July 11, 1870. One employe killed at Burghill, (want of caution). J. Duncan, trackman, fell under cars. No inquest.

July 13, 1870. One employe injured at Girard, (want of caution). F. Rock, brakeman, hand hurt coupling cars.

July 20, 1870. One person injured at Cleveland. Matthew Drounshak, boy, was playing on track. Struck by train.

July 22, 1870. One employe killed at Richwood, (want of caution). Wm. Wallace, laborer, tried to get on hand-car while in motion, and was struck on bridge of nose. Injuries resulted in his death.

July 25, 1870. One employe injured at Youngstown (want of caution.) Geo. Rutter, brakeman, coupling cars—hand badly mashed

July 29, 1870. One passenger injured at Osborne, (want of caution). — Daily, stepped from train after it started.

August 4, 1870. One employe injured at Ashland, (want of caution). F. M. Traul, coupling cars—hand injured.

August 8, 1870. One employe injured at Potter, (want of caution). Jeff. Duddleson, brakeman, coupling cars had hand mashed.

August 14, 1870. One employe injured at Urbana, (want of caution). B. Valentine, conductor, coupling cars had hand caught between them.

August 16, 1870. One person killed at Youngstown. Mrs. Elizabeth Virtue, intoxicated and walking on track. Signals given but paid no attention to them.

August 26, 1870. One employe injured at Windham, (want of caution). Robt. Radford, laborer, getting on engine, slipped and foot was run over.

August 27, 1870. One employe killed at Leavittsburg, (want of caution). Barney Graham, coal-heaver, run over by engine—had both legs cut off.

August 29, 1870. One employe injured at Dayton, (cause beyond his own control). T. G. East, brakeman, climbing on freight car, step of ladder broke, and falling on track, his toes were run over.

September 2, 1870. One employe injured at Urbana, (want of caution), J. C. Decker, brakeman, coupling cars—hand caught between them.

September 4, 1870. One person killed at Niles. Pat. Halloran, walking on bridge while train was approaching—had not time to cross.

September 7, 1870. One employe injured at Warren, (want of caution). H. W. Liddle, brakeman, coupling cars lost thumb.

September 7, 1870. One employe injured at Leavittsburg, (want of caution). John Cameron, brakeman, coupling cars had arm broken.

September 16, 1870. One employe injured at Newton, (want of caution). Jeff. Duddleson, brakeman, coupling cars had right hand injured.

September 18, 1870. One employe injured at Briar Hill, (cause beyond his own control). Thos. Reedy, brakeman, passing over train when cars separated, and he fell between them.

September 21, 1870. One employe injured at Akron, (cause beyond his own control). T. A. Day, engineer, flue of engine burst, scalding him badly.

September 21, 1870. One employe injured at Akron, (cause beyond his own control). A. G. Price, fireman, badly scalded by same accident as preceding.

September 22, 1870. One employe injured at Plank Road, (want of caution). Henry Merrell, brakeman, coupling cars, had hand mashed.

September 25, 1870. One employe injured at Youngstown, (want of caution). John Rice, brakeman, coupling cars, had hand mashed.

September 29, 1870. One person, boy, injured at Youngstown. — Morrison, stealing a ride, fell from train and had both feet crushed.

October 3, 1870. One employe injured at Tallmadge, (want of caution). Ira Willey, brakeman, coupling cars, had hand caught between them.

October 3, 1870. One employe injured at Mansfield, (cause beyond his own control). M. Doughertee, track laborer, was throwing track with iron bar, when it broke, throwing several men on him and breaking his leg very badly.

October 6, 1870. One employe killed at Baconsburg, (want of caution). Wm. Skinner, brakeman, by falling from train.

October 26, 1870. One employe injured at Leavittsburg, (want of caution). J. B. Dunlap, brakemen, coupling cars, had two fingers taken off.

November 3, 1870. One employe injured at Cleveland, (want of caution). P. Keman, fireman of switch engine, had hand badly bruised while coupling.

November 3, 1870. One employe injured at Ravenna, (want of caution.) C. Ramsey, brakeman, fell from train, breaking right arm.

November 4, 1870. One employe killed at Dayton, (want of caution.) J. K. Hartman, switchman, coupling cars was crushed between them.

November 5, 1870. One employe injured at Leavittsburg, (want of caution). Gill Crumb, had finger taken off coupling cars.

November 10, 1870. One employe injured at Kent, (want of caution). J. Wyatt, brakeman, had his hand smashed coupling cars.

November 11, 1871. One employe killed at Seville. Oscar Kane, laborer, intoxicated and walking on track; struck by train.

November 14, 1870. One employe injured at Cleveland (want of caution). David Rogers, brakeman, pulling pin was caught between bumpers.

November 21, 1870. One employe injured at Silver Creek, (cause beyond his own control). George H. Kline, brakeman, while coupling, platform of car broke, letting him down on track.

November 23, 1870. One employe injured at Plank Road, (cause beyond his own control). W. H. Bump, brakeman, passing over top of oil-cars, roof gave way, and he fell through.

November 28, 1870. One employe injured at Polk, (want of caution). M. C. Whitbeck, brakeman, was riding on pilot of engine, slipped off, and foot was run over.

November 30, 1870. One employe killed at Leavittsburg, (want of caution). J. Mack, brakeman, fell from car and was run over.

November 30, 1870. One employe injured at Leavittsburg, (want of caution). J. Hill, brakeman, coupling cars, had hand badly jammed.

November 30, 1870. One employe injured at Leavittsburg, (want of caution). J. Crawford, brakeman, had his hand caught while coupling cars.

December 3, 1870. One employe injured at Cleveland, (want of caution). William Murray, brakeman, coupling cars, had his hand crushed.

December 12, 1870. One employe injured at Ashland, (want of caution). W. Topping, brakeman, had arm broken, coupling cars.

December 22, 1870. One employe injured at Akron, (want of caution). A. A. Decker, brakeman, had arm bruised coupling cars.

December 22, 1870. A boy, Charles Clark, injured at Youngstown; stealing a ride on switch train, slipped, and had foot crushed.

December 23, 1870. One employe injured at Cleveland, (want of caution). — McMann, brakeman, coupling cars had arm bruised.

December 27, 1870. A boy, George Handy, killed at Cleveland; was standing on C. M. R. R. bridge, watching train switching beneath, when he was struck by train.

December 29, 1870. One employe killed at Osborne, (want of caution). H. B. Thatcher, conductor, uncoupling cars, was crushed between them.

December 30, 1870. One employe killed at Churchill, (want of caution). Reed Green, brakeman, jumped from cars to change switch, slipped and was run over.

December 30, 1870. One passenger injured at Ravenna, (cause beyond his own control). A. B. Tyler; nature of accident not reported.

December 30, 1870. Two employes injured at Ravenna, (same accident as preceding—nature not reported). W. Allen, baggageman, and W. J. Shepperd, brakeman.

January 3, 1871. One employe injured at Mingo, (want of caution). C. S. Elery, brakeman, between cars, coupling.

January 6, 1871. One employe injured at Leavittsburg, (want of caution). W. Tress, brakeman, while coupling cars had hand crushed.

January 7, 1871. One employe injured at Windham, (want of caution). M. Anthony, brakeman, had fingers crushed coupling cars.

January 9, 1871. One employe injured at Leavittsburg, (want of caution). L. Silverthorne, brakeman, fingers crushed in coupling cars.

January 9, 1871. One employe injured at Cleveland, (want of caution). C. C. McIlrath, brakeman, coupling cars had fingers crushed.

January 11, 1871. One employe injured at Youngstown, (want of caution). Thomas Ward, brakeman, coupling cars and had left arm crushed.

January 13, 1871. One person killed at Newburgh. W. H. McNinnia, intoxicated and lying on track; run over by train.

January 21, 1871. One employe killed at Plank Road, (want of caution). W. H. Robinson, brakeman, slipped from car in the night and was found dead.

January 21, 1871. One employe injured at Leavittsburg, (want of caution). E. Douglas, brakeman, coupling cars had collar bone broken.

January 22, 1871. One employe injured at Leavittsburg, (want of caution). M. Murt, brakeman, had fingers smashed coupling cars.

January 22, 1870. One employe injured at Kent, (want of caution). C. Royce, switchman, coupling cars got his fingers smashed.

January 23, 1871. One employe injured at Baconsburg, (cause beyond his own control). J. Hall, brakeman, by brake-wheel giving way.

January 24, 1871. One employe injured at Youngstown, (want of caution). Pat. Hanrahan, brakeman, had hand hurt in coupling cars.

January 25, 1871. One employe killed at West Salem, (want of caution). John Hittinger, brakeman, slipped from engine while uncoupling from train, and was run over.

January 26, 1871. One employe injured at Freedom, (want of caution). E. Woodward, brakeman, had foot hurt getting on engine.

February 6, 1871. One employe injured at Braceville, (want of caution). S. B. Ames, brakeman, coupling cars had his fingers broken.

February 8, 1871. One employe injured at Dayton, (want of caution). R. A. Buck, brakeman, in switching caught hand between deadwoods.

February 10, 1871. One employe injured at Ravenna, (want of caution). C. Kane, brakeman, had hand smashed coupling cars.

February 10, 1871. One person injured, at Warren. J. Higgins, run over by engine while traveling on track.

February 11, 1871. One employe killed, at Youngstown (want of caution). Jno. Brown, coal trimmer, at work between cars and was run over.

February 13, 1871. One employe injured, at Galion (want of caution). Adam Wurtz, switchman, caught feet between dead-woods.

February 14, 1871. One employe injured, at Mansfield (want of caution). — Tracht, fireman, coupling cars had hand caught between them.

February 15, 1871. One employe injured, at Youngstown (want of caution). J. Williams, stepped from car to tender and fell, breaking his leg.

February 23, 1871. One employe injured, at Galion (want of caution). John Miller, car inspector, switching, stumbled and fell, car passing over him.

March 1, 1871. One employe injured, at Leavittsburg (want of caution). E. Pratt, brakeman, hand smashed, coupling cars.

March 6, 1871. One passenger injured, at Ashland (want of caution). Mr. Spencer, standing in baggage car, when train, suddenly starting, threw down a draw-head on his toes.

March 8, 1871. One employe injured (want of caution). E. Sigourney, brakeman, lost a finger, coupling cars.

March 18, 1871. One person killed, at Youngstown. H. Mullen, intoxicated and lying on track. Train ran over him.

March 27, 1871. One employe injured, at Dayton (want of caution). W. C. Brown, yard master, switching and coupling cars, hand injured.

March 30, 1871. One employe injured, at Burghill (cause beyond his own control). J. Raymond, brakeman; train ran off track, hurting ankle.

March 30, 1871. One passenger injured, at Burghill (same accident as preceding). Leg broken.

April 10, 1871. One employe killed, at Galion (want of caution). Wm. Meiser, fireman, went on to front of engine to oil valves, and fell off.

April 15, 1871. One employe injured, at Burghill (cause beyond his own control) W. C. Carney, brakeman, hook on brake-rod gave way, and he fell from cars.

April 15, 1871. One employe injured, at Girard (want of caution). W. L. Truax, coupling cars, had hand crushed.

April 15, 1871. One employe injured, at Youngstown (want of caution). J. Brainard, had foot run over, toes crushed.

April 19, 1871. One employe killed, at Newburgh (cause beyond his own control). F. C. Geisse, setting up brake, wheel broke, letting him fall.

April 19, 1871. One person killed, at Cleveland. David Fillivan, found by track; not known how he met his death.

April 20, 1871. One employe killed, at Richwood (want of caution). R. A. Buck, brakeman, was making a running switch, jumping from one car to another, missed, and was run over.

April 30, 1871. One employe injured, at Leavittsburgh (want of caution). C. R. Russell, brakeman, pulling pin, and was caught between cars.

May 2, 1871. One employe injured, at Leavittsburg (want of caution). R. Grebble, brakeman, coupling cars, caught his arm between them.

May 3, 1871. One employe killed, at Springfield. David Moore, trackman, was found dead alongside of track. Cause of death unknown.

May 7, 1871. One employe injured, at Niles (want of caution). S. Rogers, had hand crushed, coupling cars.

May 8, 1871. One employe injured, at Windsor (cause beyond his own control). Chas. Hall, brakeman. A bridge broke down, and tender fell on him.

May 15, 1871. One employe injured, at Niles (want of caution). W. H. Howe, brakeman, had hand jammed while coupling cars.

May 20, 1871. One employe injured, at Potter Switch (want of caution). C. Grosage, brakeman, was coupling cars, and had finger smashed.

May 24, 1871. One person, Wm. May, injured, crossing track with team, at Garrettsville, and was run into by train.

May 26, 1871. One employe injured, at Youngstown (want of caution). R. Wincoop, brakeman, coupling cars, and had hand crushed.

June 2, 1871. One employe injured, at Baconsburg (cause beyond his own control). Geo. Wood, brakeman, brake wheel broke, letting him down between cars.

June 6, 1871. One employe injured, at Ravenna (want of caution). J. Goodrich, brakeman, coupling cars, and had hand smashed.

June 7, 1871. One employe injured, at Cleveland (want of caution). F. Hoffman, had fingers smashed, coupling cars.

June 8, 1871. One employe injured, at Cleveland (want of caution). J. Seville, jumped from train to change switch, and hurt his wrist.

June 13, 1871. One person injured on track, at Osborne. Jas. Campbell, drunk, and struck by train.

June 14, 1871. One employe injured, at Galion (want of caution). John Parker, brakeman, was trying to stop car with coupling pin, and had his fingers run over.

June 21, 1871. One employe injured, at Leavittsburg. Wm. Boggs, brakeman, coupling engine to train, had right hand bruised.

Total killed—

Employees	17
Others	6
	<hr/> 23

Total injured—

Passengers	4
Employees	74
Others	6
	<hr/> 84

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

The United States Express Company run on a contract conjointly with the Erie Railway, C. H. & D., Clev. & Pitts., and A. & G. West., at \$800,000 per annum for all these roads.

SLEEPING CARS.

Do you run sleeping cars on your road; and if so, by whom are they owned, and on what terms are they run?

We run sleeping cars on this road. They are owned by the Atlantic & Erie Sleeping Coaches Co., and are run at 5 cts. per mile.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

Single berth, 75 cts.; double berth, \$1.50; state room, \$4.00, irrespective of distance.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

We give free passes to officials of other companies at their request. Some free passes are also given to other persons, according to circumstances.

Keep no record of free transportation on road; and cannot state the amount in dollars it would have yielded had regular fare or rates been charged.

[Report duly subscribed and sworn to by Jay Gould, President of the Erie Railway Co. (Lessee of the A. & G. W. R'y) and by L. D. Rucker, Gen'l Supt. of the Erie R'y and A. & G. W. R'y, October 24, 1871, before Mortimer Smith, Commissioner of Deeds for Ohio, in New York.]

ANNUAL REPORT

OF THE

CLEVELAND AND MAHONING RAILROAD COMPANY.

For the year ending June 30, 1871.

[Road all in Ohio. Leased to Atlantic and Great Western (and sub-leased to Erie) Railway Company. Characteristics of the road, operations for the year, &c., included in A. & G. W. report.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$3,000,000 00
The amount of capital stock paid in (common).....	2,056,950 00
Increase of stock since June 30, 1870.....	200 00
Amount of stock per mile of road, (*79½ miles).....	25,873 58

DEBTS.

The amount of funded debt, (giving classes) as follows:

1st mortgage bonds, (August 1, 1873).....	\$760,500 00
2d mortgage bonds, (September 15, 1864).....	100 00
3d mortgage bonds, (September 15, 1876).....	654,500 00
4th mortgage bonds, (Hubbard Branch).....	97,500 00
	1,512,600 00
Less amount in Sinking Fund	1303,600 00
Total amount of funded debt.....	1,209,000 00
Decrease of funded debt since June 30, 1870.....	96,500 00
Amount of debt per mile of road, (*79½ miles).....	15,207 54
Total amount of stock and debt.....	3,265,950 00
Total amount of stock and debt per mile, (*79½ miles).....	41,081 13

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction (cost of right of way, &c., not known).....	3,147,934 24
Cost of road and equipment per mile, (*79½ miles).....	39,596 65

RECEIPTS AND PAYMENTS.

RECEIPTS.

Rental received from lessee.....	\$274,272 00
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* The length of the road as reported last year (75 miles) was erroneous. The correct length is as follows: main line, 67 miles; Hubbard Branch, 12½ miles; total, 79½ miles.

† Reported erroneously last year, i. e., \$323,600.

PAYMENTS.

Interest on bonds.....	\$91,528 21
Tax on same.....	2,358 38
Dividends on common stock; (rate per cent. 7).....	144,091 37
Tax on same.....	1,799 65
Total payments.....	239,777 61
Balance.....	\$34,494 39

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Joseph Perkins.....	Cleveland, Ohio.
Dudley Baldwin.....	" "
Frederick Kinsman.....	Warren, "
Charles Smith.....	" "
H. B. Perkins.....	" "
John Tod.....	Cleveland, "
James Magee.....	Philadelphia, Pa.
R. W. Cunningham.....	New Castle, "
Joseph Perkins, President.....	Cleveland, Ohio.
Charles Pease, Secretary and Treasurer.....	" "

[Report duly subscribed and sworn to by Joseph Perkins, President, before C. S. Latimer, Notary Public for Cuyahoga county, Ohio, August 21, 1871.]

ANNUAL REPORT

OF THE

CARROLLTON AND ONEIDA RAILROAD COMPANY.

For the year ending June 30, 1871.

[ROAD ALL IN CARROLL CO., OHIO.]

AS TO STOCK AND DEBTS.

STOCK.

Amount of capital stock authorized.....	\$20,000 00
Amount of capital stock paid in (common).....	14,400 00
Amount of stock per mile of road (12 miles)	1,200 00

DEBT.

Amount of floating debt, about.....	\$200 00
Amount of debt per mile of road.....	16 66
Total amount of stock and debt	14,600 00
Total amount of stock and debt per mile.....	1,216 66

[The foregoing figures are taken from report of 1870, the President having omitted to give any figures relative to stock and debt in report of this year.]

COST OF ROAD AND EQUIPMENT.

Original cost of road and equipment.....	\$101,000 00
Cost of road and equipment per mile (12 miles).....	8,416 66

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

Length of single main track laid with iron.....	12 miles.
Length of sidings.....	600 feet.
Total length of iron	12 miles, 600 feet.

How much of the road is ballasted, and with what material?

All but about one mile and a half, with gravel and sand.

FENCING.

The length of road unfenced on either side [both sides] and the reason therefor?

There is a fence on one side of the road nearly all the way, made by land owners.
Cannot state length of road fenced within past year.

EQUIPMENT.

Number of locomotives	1
Number of passenger cars	2
Number of express and baggage cars	1
Number of freight cars	3
Number of other cars	1
Total number of persons employed in operating the road	4

SPEED OF TRAINS.

Average, 12 miles per hour.

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for respective classes per mile (only one class)	6½ cts.
---	---------

FREIGHT.

The rate per ton per mile charged for the various classes of freight, through and local :
 First class, 15 cents ; second class, 13 cents ; third class, 12 cents ; fourth class, 10 cents,
 and fifth class, 9 cents.

DOINGS OF THE YEAR ENDING JUNE 30, 1871.

Mileage of Locomotives and Cars.

LOCOMOTIVES.

Number of miles run by locomotives hauling passenger cars	7,992
---	-------

CARS.

Number of miles run by passenger cars	7,992
---	-------

DOINGS IN TRANSPORTATION.

PASSENGERS.

Number of passengers carried in cars	3,529
--	-------

FREIGHT.

Number of tons of freight carried	1,500
---	-------

FUEL CONSUMED.

Number of cords of wood consumed	3
Number of tons of coal consumed	90

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$2,647 17
From transportation of freight	3,121 51
From mail	500 00
From express	300 00
Total earnings for the year	\$6,568 68

OPERATING EXPENSES.

For maintenance of way and structures.....	\$1,500 00
For motive power	155 00
For conducting transportation	1,620 00
General expenses, as follows :	
State taxes.....	127 45
Total operating expenses [51 8-10 per cent. of earnings]	3,402 45
Net earnings	\$3,166 23

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 12 miles.]

Amount of earnings per mile	\$547 39
Amount of operating expenses per mile.....	283 54
Amount of net earnings per mile	263 85

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Dividends on stock, rate per cent. 5, amount.....	\$697 00
Construction of new work.....	1,045 00
Total	\$1,742 00
Amount of payments per mile of road	145 17

ACCIDENTS.

No accidents to persons, nor animals killed, within the year.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
S. Sterling	Carrollton, Ohio.
W. Butler	" "
Jas. Huston	" "
J. E. Ebersole (Adm'r J. Ebersole, dec'd).....	" "
C. A. Shober.....	" "
J. Helfrich.....	" "
H. A. Stidger	" "
H. A. Stidger, President and Gen'l Manager.....	Carrollton, Ohio.
Jas. Huston, Vice President	" "
S. L. Sterling, Secretary and Auditor.....	" "
W. Butler, Treasurer.....	" "
M. T. Wiggins, Supt.....	" "
S. Sterling, Master of Transportation and Gen'l Freight Agt.	" "
J. Helfrich, Gen'l Ticket Agt.	" "

[Report duly subscribed and sworn to by H. A. Stidger, Pres't, etc., before A. P. Mortland, Mayor of the town of Carrollton, Aug. 21, 1871.]

ANNUAL REPORT

OF THE

CENTRAL OHIO RAILROAD COMPANY,

For the year ending June 30, 1871.

[The road of this company is leased to the Baltimore and Ohio Railroad Company, and is known as the "Central Ohio Division of the Baltimore and Ohio Railroad." Road all in Ohio.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$3,000,000 00
The amount of capital stock paid in (common).....	"3,000,000 00
Amount of stock per mile of road (137 miles).....	21,897 88

DEBTS.

The amount of funded debt (giving classes), as follows :	
1st Mortgage bonds (due Sept. 1890, 6 per cent.).....	\$2,500,000 00
Amount of debt per mile of road (137 miles).....	18,248 10
Total amount of stock and debt	\$5,500,000 00
Total amount of stock and debt per mile (137 miles).....	40,145 98

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871.....	\$5,499,999 26
Cost of road and equipment per mile (137 miles)	40,145 98

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

Length of single main track laid with iron	137 miles. †
Aggregate length of sidings and other tracks	27½ "
Total length of iron laid.....	164½ miles.

CROSSINGS.

What railroads cross or are crossed by your road, at grade ?

Cincinnati and Muskingum Valley Railroad, at Zanesville.

Sandusky, Mansfield and Newark Railroad, at Newark.

Have you established, and do you publish to all the employees on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?

Published on "time cards," and fully complied with.

* This amount will probably be decreased, as it is *estimated*, the settlement of the old claims against the old company not having all been made.

† Thirty-three miles of this, between Columbus and Newark, is owned jointly with the Pittsburgh, Cincinnati & St. Louis Railway Company.

BRIDGES AND TRETTLES.

Number of wooden bridges and aggregate length in feet :

Number	64
Aggregate length.....	5,011½ feet.

Number of iron bridges and aggregate length in feet :

Number	2
Aggregate length.....	564 feet.

Number of wooden trestles and aggregate length in feet :

Number	4
Aggregate length.....	667 feet.

The greatest age of wooden bridges

18 years.

The average age of wooden bridges

6 "

The greatest age of wooden trestles

9 "

The number and kind of new bridges built within the year ending June

30, 1871, and aggregate length in feet :

Upper Ramp Creek, truss girder, wood, 64 feet, built June, 1871.

Lower Ramp Creek, truss girder, wood, 64 feet, built June 30, 1871.

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor :

About 30 miles, on streams and where land-owners have assumed the duty of fencing.

Length of road fenced within the past year, ending June 30, 1871, and cost per rod :

330 rods, \$1.40 per rod.

EQUIPMENT.

Number of locomotives	40
Number of passenger cars.....	28
Number of express, mail and baggage cars.....	24
Number of freight cars (box)	364
Number of gondola, 179 ; flat, 73 ; stock, 87 ; and other cars, 32.....	371
Total number of persons employed in operating the road	1,186

SPEED OF TRAINS.

Miles per hour.

The highest rate of speed allowed by express passenger trains when in motion	30 to 35
Average rate of same, including stops	26
The highest rate of speed allowed by mail and accommodation trains when in motion	25 to 30
Average rate of same, including stops	23
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile :

(No charge less than 20 cents ; shortest distance between stations, 1½ miles.)

First class.

Highest rate per mile for the shortest distance passengers are carried 13½ cents.

Highest rate per mile for distances more than 5 and less than 15 miles

(6 miles 25 cents) 4 1-6 "

	First class.
Highest rate per mile for distances more than 15 and less than 30 miles..	3 7-10 cents.
Highest rate per mile for distances more than 30 and less than 50 miles...	3½ "
Highest rate per mile for distances more than 50 and less than 100 miles..	3½ "
Highest rate per mile for the whole length of the main road	3½ "
Highest rate per mile for through passengers, that is, those passing from and over the line to points on the lines of other companies or points be- yond the State	3½ "
General average rates	3½ "

FREIGHT.

The rate per ton per mile charged for the various classes of freight, through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest dis- tance freight is carried (for 1 mile)	160	140	120	100
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	20	17	14	12
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	12	10	9	8
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	8	7	6	5
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	7	6	5	4
Highest rate per ton per mile for the whole length of the main road	6½	5½	4½	3½
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies or points be- yond the State	5½	3½	3	2
General average rates, about	2½			

Have you adopted the provisions of the "Act regulating the charges for transporta-
tion of freight upon railroads within this State," passed April 26, 1871? If not, why?
Not fully at date of this report, June 30, 1871.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID, AND STEEL RAIL IN USE.

The length of new iron rail laid within the year	12 1-20	miles.
The length of re-rolled iron rail laid within the year	17½	"
The length of spliced and mended iron rail laid within the year.....	64,500	feet.
How much steel rail have you, and how long laid:		
Length	2,174 feet in switches.	
How long laid.....	1,054 feet laid 27 months.	

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	377,206
The number of miles run by locomotives hauling freight trains	767,161

Railroads and Telegraphs.

797

The number of miles run by locomotives hauling construction and other trains not named above.....	56,320
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Total mileage of locomotives.....	1,200,687
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CARS.

The number of miles run by passenger cars	948,470
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The number of miles run by express and baggage cars	406,921
---	---------

The number of miles run by freight cars	4,827,497
---	-----------

Total mileage of cars	6,182,888
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FUEL CONSUMED.

Cords of wood consumed.....	2,493 3-8
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Tons of coal consumed.....	22,835 9-10
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EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$305,092 18
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From transportation of freight	605,542 96
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From mail	29,083 54
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From express.....	34,222 75
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From all other sources, except increase of capital stock, including rents, etc	1,053 13
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Total earnings for the year.....	\$974,994 56
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OPERATING EXPENSES.

For maintenance of way and structures	\$260,849 88
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For maintenance of cars	79,035 22
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For motive power	159,397 64
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For conducting transportation	199,395 73
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General expenses, as follows:

Taxes, State and National—

State taxes	\$32,188 83
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National taxes	2,788 73
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Other general expenses	14,204 41
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Total general expenses (75½ per cent. of earnings).....	49,182 97
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Total operating expenses.....	739,861 44
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Net earnings	\$235,133 12
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AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 137 miles.]

Amounts of earnings per mile	\$7,116 75
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Amount of operating expenses per mile	5,400 45
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Amount of net earnings per mile	1,716 30
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PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds.....	\$150,000 00
Tax on same (received from holders)	\$625 00
Dividends on preferred stock.....	24,186 00
Tax on same (paid by company in December, 1870, \$302.32; reserved in June, 1871, \$302.32).....	302 32
Dividends on common stock, rate per cent. 3 and 2½; amount.....	133,462 75
Tax on same (paid by company December, 1870, \$1,818.60; reserved June, 1871, \$1,517.96)	1,818 60
Applied to sinking fund.....	16,000 00
Total	<u>\$325,769 67</u>

[NOTE.—The above interest, dividends, etc., have been paid by the Central Ohio Railroad Company, out of the 35 per cent. rental received from the Baltimore & Ohio Railroad Company, as per lease.]

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871:

8 Horses	\$283 65
1 Colt.....	.....
1 Mule .....	.....
25 Cows.....	.....
7 Steers	190 00
45 Sheep .....	.....
5 Hogs .....	.....
7 Calves .....	.....
99 Totals	<u>\$473 65</u>

ACCIDENTS TO PERSONS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871:

August 15, 1870. One person killed. Stepped on track in front of express train at Salesville.

August 29, 1870. One person killed and one injured. Wm. Carr and James Plews, coal miners, drunk; went to sleep on track near Cambridge; were knocked off by 9:30 A. M. express. Carr recovered; Plews died in two or three weeks.

September 6, 1870. One person killed. James Crews, disorderly passenger, refused to pay fare; put off train at his own request, west of Coal Dale Station; was found dead next morning east of Coal Dale Station; was run over by some night train; supposed to have been intoxicated and went to sleep on track.

October 8, 1870. One employe injured, (want of caution). Wash. Nevitt, brakeman coupling cars at Barnesville; fingers caught by splinter on link; could not withdraw his hand; arm broken below elbow.

November 3, 1870. One employe killed, (want of caution). Albert Smith, brakeman. Climbing from caboose on freight train; was struck by side of bridge near Campbell's Station and killed. Signal whistle was given for bridge.

December 6, 1870. One employe killed, (want of caution). Frederiek Henry, freight conductor. Coupling cars at Shield's coal mines; stumbled and fell on track; car ran over him; died in four or five hours.

February 8, 1871. One person killed. Thomas McLeany. Secreted himself on freight train and rode from Zanesville to Spencer's; when train would stop he would get off to avoid detection; when train started from Spencer's, he attempted to regain his position, but being benumbed with cold, lost his grasp and fell under the train; one leg mangled; after amputation he died.

March 6, 1871. One person injured. James Peters; intoxicated and walking close to track; was struck by engine on express train about two miles west of Zanesville; injured in hip; has recovered.

March 13, 1871. One employe injured, (want of caution). Henry Kitchen, freight brakeman, walked off top of caboose near Coal Dale Station; engine ran over left leg; leg afterward amputated.

March 25, 1871. One person killed. Stephen Taylor, about 18 years old; got on rear platform of fast express train at Belmont, thinking he could get off near home; jumped off midway between Belmont and Burr's Mills, while train was running thirty-five miles per hour; received such injuries that he died in two or three weeks thereafter.

April 20, 1871. One employe killed, (want of caution). J. L. Brown, freight brakeman; coupling cars at Clay Lick; caught between bumpers; received internal injuries; died May 2, 1871.

Total killed—

Employes	3
Others	5
	— 8

Total injured—

Employes	2
Others	2
	— 4

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road and on what terms as to rates, use of track, machinery, repairs of cars, etc.?

Adams Express Company.

From October 1 to May 1, at \$100 per day.

From May 1 to October 1, at \$80 per day.

Excess in weight over 6,000 pounds westward or 4,000 pounds eastward, from May 1 to October 1, and over 14,000 pounds westward and 4,000 pounds eastward from October 1 to May 1, at 50 cents per 100 pounds.

No transportation companies run on this road.

FREE TRANSPORTATION.

Have no fixed rules governing the allowance of free transportation; or to what classes of persons besides officers and employes of the company free transportation is granted.

Keep no record of free transportation on the road; and cannot state the amount in dollars it would have yielded had regular fare or rates been charged.

SLEEPING CARS.

Do you run sleeping cars on your road; and if so, by whom are they owned, and on what terms are they run?

Pullman Palace cars.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

\$1.00 per berth; \$4.00 per section.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
H. J. Jewett	Columbus, Ohio.
Daniel Applegate.....	Zanesville, Ohio.
Jos. R. Swan	Columbus, Ohio.
William Dennison	" "
Wm. H. Clement	Cincinnati, Ohio.
Jos. B. Ford.....	Wheeling, West Va.
W. C. Quincy	Columbus, Ohio.
John H. Heaton	St. Clairsville, Ohio.
John King, Jr.....	Baltimore, Md.
Walter B. Brooks.....	" "
Joseph H. Reeman.....	" "
Jos. W. Jenkins	" "
James Harvey.....	" "
H. J. Jewett, President	Columbus, Ohio.
Wm. Wing, Secretary and Cashier.....	" "
Daniel Applegate, Treasurer	Zanesville, Ohio.
A. D. Smith, Asst. Auditor.....	Columbus, Ohio.
W. C. Quincy, Asst. Master of Transportation.....	" "
L. M. Cole, General Ticket Agent.....	Baltimore, Md.
Geo. R. Blanchard, General Freight Agent	" "
N. Guilford, Asst. General Freight Agent.....	Columbus, Ohio.

[Report duly subscribed and sworn to by W. C. Quincy, Asst. Master of Transportation, before Jno. H. Dyne, Clerk to the Commissioner of Railroads and Telegraphs, October 16, 1871.]

ANNUAL REPORT

OF THE

SANDUSKY, MANSFIELD AND NEWARK RAILROAD COMPANY,

For the year ending June 30, 1871.

[Road all in Ohio. Leased to the Central Ohio Railroad Company; sub-leased to the Baltimore and Ohio Railroad Company, and now known as the *Lake Erie Division of the Baltimore and Ohio Railroad.*]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$1,000,000 00
The amount of capital stock paid in (common).....	\$910,623 00
The amount of capital stock subscribed, but not yet issued..	89,377 00
Total amount of stock.....	1,000,000 00
Amount of stock per mile of road, (116 miles).....	7,850 20

DEBTS.

The amount of funded debt—1st mortgage bonds, (due A.D. 1900).....	2,307,742 00
The amount of floating debt, (that is, debt not secured by mortgage).....	1,100 00
Total amount of funded and floating debts.....	2,308,842 00
Amount of debt per mile of road, (116 miles)	19,903 81
Total amount of stock and debt.....	3,308,842 00
Total amount of stock and debt per mile, (116 miles).....	27,754 01

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871.....	3,219,465 00
Cost of road and equipment per mile, (116 miles).....	27,754 01

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF LINE.

Length of single main track laid with iron.....	116½ miles.
Aggregate length of sidings and other tracks not above enumerated.....	10½ "
Total length of iron embraced in preceding heads.....	127 "

How much of the road is ballasted, and with what material?

111 miles, with stone and gravel.

How much of the road has been ballasted since June 30, 1870, and with what material?

6½ miles; 3 miles with stone and 3¼ miles with gravel. In addition to this, have re-ballasted 9½ miles with gravel.

CROSSINGS.

What railroads cross or are crossed by your road, at grade ?

Central Ohio Railroad, at Newark.

Atlantic and Great Western, at Mansfield.

Pittsburgh, Fort Wayne and Chicago, at Mansfield.

Cleveland, Columbus, Cincinnati and Indianapolis, at Shelby Junction.

Lake Shore and Michigan Southern, at Monroeville.

Lake Shore and Michigan Southern, at Sandusky.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?

Published on "Time Cards," and fully complied with.

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet :

Number 20

Aggregate length 2,299 feet.

Number of iron bridges, and aggregate length in feet :

Number 1

Aggregate length 83 feet.

Number of wooden trestles, and aggregate length in feet :

Number 58

Aggregate length 3,402 feet.

The greatest age of wooden bridges 14 years.

The average age of wooden bridges 4 "

The greatest age of wooden trestles 5 "

The number and kind of new bridges built within the year, (ending June 30, 1871,) and length in feet :

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built—Date.
Dry Creek	Bolman Pat.....	Iron	86	February, 1871.
Pipe Creek	Truss Girder	Wood	32	March, 1871.

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor ?

Not answered.

Length of road fenced within the past year (ending June 30, 1871,) and cost per rod :

5½ miles, at \$1.20 per rod.

Can you state what proportion of your line the land holder is obligated to fence ?

At least three-fifths.

EQUIPMENT.

Number of locomotives 21

Number of passenger cars 15

Number of express and baggage cars 8

Number of freight cars 211

Number of other cars (hand and tool cars) 24

Total number of persons employed in operating the road 637

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion.....	30 to 35
Average rate of same, including stops.....	26
The highest rate of speed allowed by mail and accommodation trains when in motion.....	25 to 30
Average rate of same, including stops.....	23
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same, including stops.....	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile :

	First Class.
*Highest rate per mile for the shortest distance passengers are carried.....	6 cents.
Highest rate per mile for distances more than 5 and less than 15 miles (5½ miles, 20 cents)	4 "
Highest rate per mile for distances more than 15 and less than 30 miles....	4 "
Highest rate per mile for distances more than 30 and less than 50 miles....	3½ "
Highest rate per mile for distances more than 50 and less than 100 miles....	3½ "
Highest rate per mile for the whole length of the main road	3 2-5 "
Highest rate per mile for <i>through</i> passengers, that is, those passing from and over the line to points on the lines of other companies or points beyond the State	3 2-5 "
General average rates	3½ "

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried (3 miles)	100	80	66	53
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	36	30	26	20
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	19	15	14	10
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	13	10	8	6
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	9	7	6	4
Highest rate per ton per mile for the whole length of the main road	6½	5½	4½	3½
Highest rate per ton per mile for <i>through</i> freight, that is, freight passing from and over the line to points on the lines of other companies or points beyond the State	7½	5½	4½	3

* No charge less than 15 cents. 2½ miles is the shortest distance between stations.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID.

The length of rerolled iron rail laid within the year	5½ miles.
The length of spliced and mended iron rail laid within the year.....	22 38-100 miles.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains	169,685
The number of miles run by locomotives hauling freight trains	422,447
The number of miles run by locomotives hauling construction and other trains not named above	30,171
Total mileage of locomotives	622,303

CARS.

The number of miles run by passenger cars	420,152
The number of miles run by express and baggage cars	207,126
The number of miles run by freight cars.....	2,318,420
Total mileage of cars	2,945,698

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	141,368
Total miles traveled by passengers, or number of passengers carried one mile..	4,665,152
Average number of miles traveled by each passenger carried	33
Average amount received from each passenger carried.....	\$1 10
Average amount <i>per mile</i> received from each passenger carried	3½ cents.

FREIGHT.

The number of tons of through freight carried.....	93,157
The number of tons of local freight carried	85,110
Total number of tons, through and local, carried	178,267
Total number of tons of freight carried one mile.....	16,044,061
Average amount received for each ton of freight carried.....	\$1 80
Average amount <i>per mile</i> received for each ton of freight carried	2 cents.

FUEL CONSUMED.

Cords of wood consumed.....	925½
Tons of coal consumed.....	11,905½

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$163,280 36
From transportation of freight.....	320,881 24
From mail	15,419 82
From express.....	10,522 94
From all other sources (except increase of capital stock), including rents, etc.	20 00
Total earnings for the year	\$510,124 36

OPERATING EXPENSES.

For maintenance of way and structure	\$231,783 55
For maintenance of cars	24,582 68
For motive power	50,691 99
For conducting transportation	118,057 39
General expenses, as follows:	
Taxes, State and National—	
State taxes.....	\$11,867 04
National taxes	1,474 53
Other general expenses	2,271 06
Total general expenses.....	15,612 63
Total operating expenses (86 2-5 per cent. of earnings)	440,728 24
Net earnings.....	\$69,396 12

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 116 miles.]

Amount of earnings per mile.....	\$4,397 62
Amount of operating expenses per mile.....	3,799 38
Amount of net earnings per mile	598 24

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds (paid by S. M. & N. R. R. Co., from rental)	\$158,900 00
Tax on same	5,955 00

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damage paid therefor, within the year ending June 30, 1871.

9 horses	_____
23 sheep	_____
51 cattle	_____
83	Total.....
	\$1,072 80

ACCIDENTS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871.

July 29, 1870. One employe killed (want of caution). Edward Frothingham, freight brakeman, while engaged in switching train at Lexington, was struck by warehouse projecting over top of cars, knocked off, and died the same day.

April 6, 1871. One person killed. Garrett Keating, aged 15 years, attempted to get on freight train while in motion, near Prout's Station; fell under train; had one leg crushed; died at midnight, same date.

April 28, 1871. One employe injured (want of caution). Ephraim Wilson, an employe on construction train, while intoxicated sat down on a pile of ties near track, a few rods south of Shelby Junction, was struck by passing train and injured so that he died in a few hours.

Total killed—

Employes	1	
Others	1	2

Total injured—

Employes	1
----------------	---

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

United States Express Company. \$50 per day and 25c. per 100 lbs. for all weight in excess of 6,000 lbs.

No transportation companies run on this road.

SLEEPING CARS.

No sleeping cars run on this road.

FREE TRANSPORTATION.

Have no fixed rules governing the allowance of free transportation.

Do not keep any record of free transportation on the road; and cannot state the amount in dollars it would have yielded, had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
W. G. Lane.....	Sandusky, Ohio.
A. H. Moss.....	" "
E. B. Sadler.....	" "
J. O. Moss.....	" "
John Gardiner.....	Norwalk, "
W. C. Quincy.....	Columbus, "
Jerome Buckingham.....	Newark, "
L. J. Tracy.....	Mansfield, "
H. B. Curtis.....	Mt. Vernon, "
John Gardiner, President.....	Norwalk, Ohio.
J. O. Moss, Treasurer.....	Sandusky, Ohio.
A. D. Smith, Asst. Auditor.....	Columbus, "
W. C. Quincy, Superintendent.....	" "
L. M. Cole, General Ticket Agent.....	Baltimore, M. D.
G. R. Blanchard, General Freight Agent.....	" "
N. Guilford, Asst. " ".....	Columbus, Ohio.

[Report duly subscribed and sworn to by W. C. Quincy, Superintendent, before George B. Wright, Commissioner, 28th October, 1871.]

ANNUAL REPORT

OF THE

CINCINNATI, HAMILTON AND DAYTON RAIL- ROAD COMPANY.

For the year ending June 30, 1871.

[This company also operates, under lease, the Dayton and Michigan, and Cincinnati, Richmond and Chicago Railroads, though the accounts of the roads are kept separate, and a separate report made for each. The roads lie entirely in Ohio, with the exception of 6 miles of C. R. & C. road, leased in Indiana.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$3,500,000 00
The amount of capital stock paid in (common).....	3,500,000 00
Amount of stock per mile of road (60 miles).....	58,333 33

DEBTS.

The amount of funded debt, (giving classes,) as follows :

1st mortgage bonds, (due May 1st, 1880).....	\$1,250,000 00
2d mortgage bonds, (due July 20th, 1885).....	500,000 00
3d mortgage bonds, (due June 1st, 1877).....	282,000 00
<hr/>	
Total amount of funded debt.....	\$2,032,000 00
Amount of debt per mile of road, (60 miles).....	33,866 67
<hr/>	
Total amount of stock and debt.....	\$5,532,000 00
Total amount of stock and debt per mile, (60 miles).....	92,200 00

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction.....	\$3,974,404 73
Cost of right of way.....	340,113 94
Cost of equipment.....	1,006,250 96
<hr/>	
Total cost of entire road and equipment to this date, June 30, 1871.	\$5,320,769 63
Cost of road and equipment per mile, (60 miles).....	88,679 49

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF LINE.

Length of single main track laid with iron.....	59,927 miles.
Length of double main track.....	*9,216 "
Aggregate length of sidings and other tracks not above enumerated.....	24,483 "
Of the above, main line, branches, sidings, &c., there is of double gauge..	84,323 "
Total length of iron embraced in preceding heads.....	177,949 "

[The road of this company, in addition to being used for its own cars proper, and those of its leased lines, is also used for the cars of other companies, as follows: From Dayton to Cincinnati, for those of the Atlantic and Great Western (*Erie*) Railway Company, (having a special six foot gauge,) and the Cincinnati, Sandusky and Cleveland Railroad Company; and from Hamilton to Cincinnati, for those of the Junction (C. & I.) Railroad Company.]

How much of the road is ballasted, and with what material?

The track is all ballasted with gravel, and is constructed with four rails to accommodate the 4 feet 10 inch and 6 feet gauges.

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet:	
Number	15
Aggregate length.....	3,465 feet.
The greatest age of wooden bridges.....	13 years.
The average age of wooden bridges.....	4 years.
The number and kind of new bridges built within the year, (ending June 30, 1871:)	
One new bridge built in August, 1870—No. 4, Howe Truss, wood, 220 feet in length.	

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor:
The road has been fenced the whole distance, and is being renewed when worn out.

EQUIPMENT.

Number of locomotives	32
Number of passenger cars.....	29
Number of express and baggage cars.....	15
Number of freight cars	417
Number of other cars (12 caboose, 24 hand, and 8 truck).....	44
Total number of persons employed in operating the road.....	735

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	Not limited.
Average rate of same, including stops.....	28
The highest rate of speed allowed by mail and accommodation trains when in motion.....	Not limited.
Average rate of same, including stops.....	23
The highest rate of speed allowed by freight trains when in motion.....	12
Average rate of same, including stops.....	10

* The length of double main track reported last year was 12,150 miles. Three miles of the same, new used by the C. R. & C. E. R. Co., has been in this report counted as side track; hence the discrepancy.

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile:

First class.

Highest rate per mile for the shortest distance passengers are carried.....	15 cents.
Highest rate per mile for distances more than 5 and less than 15 miles.....	4 "
Highest rate per mile for distances more than 15 and less than 30 miles.....	4 "
Highest rate per mile for distances more than 30 and less than 50 miles.....	3½ "
Highest rate per mile for distances more than 50 and less than 100 miles.....	3½ "
Highest rate per mile for the whole length of the main road.....	3½ "
Highest rate per mile for <i>through</i> passengers, that is, those passing from and over the line to points on the lines of other companies, or points beyond the State.	3½ "
General average rates	2 85-100 cents.

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried.....	20	16	12	10
Highest rate per ton per mile for distances of more than 5 and less than 15 miles.....	20	16	12	10
Highest rate per ton per mile for distances of more than 15 and less than 30 miles.....	7	6½	4 2-5	4
Highest rate per ton per mile for distances of more than 30 and less than 50 miles.....	5	5	4½	4
Highest rate per ton per mile for distances of more than 50 and less than 100 miles.....	5	5	4 1-6	3½
Highest rate per ton per mile for the whole length of the main road.....	5	5	4 1-6	3½
Highest rate per ton per mile for <i>through</i> freight, that is, freight passing from and over the line to points on the lines of other companies, or points beyond the State.....	4½	3 7-10	3.	1 8-10
General average rates (on all classes), 2 63-100 cents.				

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

The provisions of the act referred to have not been adopted by the directors. They have taken no action on the subject, for the presumed reason that they are better satisfied with the provisions on the same subject contained in the charter of the company, which they have no desire, nor, perhaps, power to impair or surrender, without the consent of the stockholders.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID, AND STEEL RAIL IN USE.

The length of rerolled iron rail laid within the year..... 11½ miles.

How much steel rail have you, and how long laid?

Length, 8½ miles. How long laid, average of about 1½ years.

What is the relative durability and value of steel rails compared with iron, as used on your road?

Steel rails not long enough in use to give an opinion.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	295,537
The number of miles run by locomotives hauling freight trains.....	262,856
The number of miles run by locomotives hauling mixed trains	7,985
Total mileage of locomotives.....	566,378

CARS.

The number of miles run by passenger cars.....	871,361
The number of miles run by express and baggage cars.....	362,745
The number of miles run by freight and caboose cars.....	5,620,334
Total mileage of cars	6,854,442

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	743,630
Total miles traveled by passengers, or number of passengers carried one mile	14,976,475
Average number of miles traveled by each passenger carried.....	20
Average amount received from each passenger carried.....	56½ cents.
Average amount per mile received from each passenger carried	2 65-100 "

FREIGHT.

The number of tons of through freight carried.....	205,975
The number of tons of local freight carried	300,583
Total number of tons, through and local, carried	506,558
Total number of tons of freight carried one mile.....	21,941,281
Average amount received for each ton of freight carried	\$1.09
Average amount per mile received for each ton of freight carried.....	2 63-100 cts.
Tonnage of articles transported not kept in form asked for.	

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers...	{ Through... \$77,927 14		
	{ Local	342,227 82	Total.... \$420,154 96
From transportation of freight	{ Through... 179,541 29		
	{ Local..... 373,854 38	Total....	553,395 67
From mail			8,750 00
From express			15,002 39
From all other sources (except increase of capital stock), including rents, etc.			219,504 48
Total earnings for the year.....			\$1,216,807 50

OPERATING EXPENSES.

For maintenance of way and structures.....	\$214,808 14
For maintenance of cars	68,203 89
For motive power	168,945 57
For conducting transportation	148,855 86

General expenses, as follows:

Taxes, State and National—State taxes.....	\$49,353 56
National taxes	2,908 91
Other general expenses	43,748 58
Total general expenses.....	96,011 05
Total operating expenses (57½ per cent. of earnings).....	696,824 51
Net earnings	\$519,982 99

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 60 miles, main line.]

Amount of earnings per mile	\$20,280 13
Amount of operating expenses per mile	11,613 75
Amount of net earnings per mile	8,666 38

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds.....	\$145,060 00
Tax on same, (not reported).....	.....
Dividends on common stock (rate per cent. 8).....	280,000 00
Tax on same	2,983 23
Additional equipment	10,500 00
Additional real estate.....	933 60
Total payments in addition to operating expenses.....	\$439,476 83
Amount per mile of road (60 miles).....	7,324 61

ANIMALS KILLED.

The number and kind of farm animals killed, and amount of damages paid therefor:

6 cows.....	\$147 50
1 bull	50 00
7 Totals	\$197 50

ACCIDENTS TO PERSONS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871:

July 11, 1870. One person killed. Margaret Hollenster, 10 years old, killed near Brighton; standing on down track, looking at up train.

August 1, 1870. Person injured. John Davidson; standing too near track at Hamilton, badly injured.

August 9, 1870. One employe injured (want of caution). James Wilson, switchman, Cincinnati Yard; arm crushed coupling cars.

September 12, 1870. One employe killed (want of caution). John Ratchford, switchman, Dayton; injured while coupling, and died Sept. 14, 1870.

September 21, 1870. One employe injured (want of caution). Jno. B. Hand, brakeman, arm crushed, at Brighton, coupling cars.

October 21, 1870. One person injured. — Coyle, boy, attempting to get on freight train while switching, at Cummins ville, fell and had one toe cut from one foot and the other foot crushed.

October 24, 1870. One passenger killed (want of caution). John Gentry, fell off train south of Overpeck's Station.

November 14, 1870. One employe injured (want of caution). Wm. Rollo, switchman, Dayton, hand crushed coupling cars.

November 20, 1870. One person killed. A rag-picker, about 55 years old, at Carr street, Cincinnati, undertook to cross the track with his bag, against orders of flagman, and was run over and killed.

November 21, 1870. One employe injured (from cause beyond his own control). Thos. Powers, car repairer, arm bruised under car by another car being backed into it.

December 2, 1870. One employe injured (want of caution). John Ambrose, switchman, Cincinnati yard, caught his foot in frog and had it badly bruised.

December 10, 1870. One employe injured (want of caution). John Ernst, switchman, hand crushed coupling cars, Cincinnati yard.

January 5, 1871. One employe injured (want of caution). Charles Mulvey, coupling cars, at Cincinnati, hand crushed.

January 24, 1871. One employe killed (want of caution). James Rowland, brakeman, fell from freight train, near Brighton.

January 28, 1871. One employe injured (want of caution). Daniel Hogan, fell from freight car, near Dayton.

February 4, 1871. One employe injured (want of caution). Thomas Goddard, hand crushed, at Hamilton, coupling cars.

February 18, 1871. One person killed. John Sauer, walking on track, near Miamisburgh.

March 18, 1871. One employe injured (want of caution). James Early, brakeman, tried to cross track, in Cincinnati yard, ahead of switch engine, and was thrown down and run over; had leg amputated.

June 27, 1871. One person killed. John H. Berkemier, walking on track, near Brighton.

Total killed—

Passengers	1
Employees	2
Others	4
	<hr/> 7

Total injured—

Employees	10
Others	2
	<hr/> 12

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.:

American Express Company, \$7.50 for 4,000 pounds north and 2,000 pounds south; 15 cents per hundred pounds for excess; 25 miles, from Cincinnati to Hamilton.

United States Express Company, \$100 per day, between Cincinnati and Toledo, for 10,000 pounds of through freight daily, and 90 cents for excess; apportioned to each company (C. H. & D. and D. & M.) according to tonnage carried over each road.

No transportation companies.

SLEEPING CARS.

Do you run sleeping cars on your road, and if so, by whom are they owned, and on what terms are they run ?

Sleeping cars are run by the Erie Railway Company over our six foot track, under their contract for use of same.

Cars are also run by the Pullman Sleeping Car Company, lessee of the Central transportation Company, on through trains from Chicago, St. Louis and Detroit.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates ?

The sleeping car companies fix their own rates. Our contract with the Central Transportation Company allows them to charge fifty cents for each and every couch, or such other sums for the use of couches as may be usual on other lines furnishing like accommodations.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation, and to what classes of persons besides officers and employes of the company is free transportation granted ?

Passes are exchanged with officers of other roads, and given to agents and employes of the road when traveling in the discharge of their duties, and to such other persons as in the judgment of the officers would subserve the interest of the company.

Do you keep any record of free transportation on your road, and can you state the amount in dollars it would have yielded, during the year, had regular fare or rates been charged ?

A record has been kept, but not sufficient to give the amount in dollars and cents had fare been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
D. McLaren	Cincinnati, Ohio.
Wm. Goodman	" "
Samuel Fosdick	Glendale, "
John Young	Cincinnati, "
Lowell Fletcher	" "
H. D. Huntington	" "
Geo. T. Stedman	" "
C. W. West	" "
D. McLaren, President and General Superintendent	" "
John Young, Vice President	" "
F. H. Short, Secretary and Treasurer	" "
L. Williams, Assistant Superintendent	" "
Samuel Stevenson, General Ticket Agent	" "
J. A. Reed, General Freight Agent	" "

[Report duly subscribed and sworn to by D. McLaren, President, before B. D. Stevenson, Notary Public for Hamilton county, Ohio, August 26, 1871.]

ANNUAL REPORT

OF THE

DAYTON AND MICHIGAN RAILROAD COMPANY.

For the year ending June 30, 1871.

[ROAD ALL IN OHIO—LEASED TO CINCINNATI, HAMILTON AND DAYTON RAILROAD CO.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$2,500,000 00
The amount of capital stock paid in—common.....	2,393,145 62
Increase of stock since June 30, 1870.....	1,006 00
Amount of stock per mile of road (142 miles).....	16,853 14

DEBTS.

The amount of funded debt, (giving classes,) as follows :

1st mortgage bonds, (due July 1, 1881).....	\$2,733,000 00
2d mortgage bonds, (due September 1, 1884).....	642,000 00
3d mortgage bonds, (due October 1, 1888).....	700,000 00
1st Toledo depot mortgage bonds, (due March 1, 1881).....	71,500 00
2d Toledo depot mortgage bonds, (due March 1, 1894).....	98,000 00
Total amount of funded debt.....	\$4,244,500 00
Decrease of funded debt since June 30, 1870.....	33,000 00
The amount of floating debt, (that is, debt not secured by mortgage)....	118,835 46
Increase of floating debt since June 30, 1870.....	22,812 57
Total amount of funded and floating debts.....	\$4,363,335 46
Decrease of funded and floating debt since June 30, 1870.....	10,187 43
Amount of debt per mile of road, (142 miles).....	30,727 71
Total amount of stock and debt.....	\$6,756,481 08
Total amount of stock and debt per mile, (142 miles).....	47,580 85

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction	\$5,683,311 54
Cost of right of way and real estate.....	198,448 07
Cost of equipment.....	730,256 12
Total cost of entire road and equipment to this date, June 30, 1871.....	\$6,612,015 73
Cost of road and equipment per mile, (142 miles).....	46,563 49

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF LINE.

Length of single main track laid with iron..... *140.714 miles.
 Aggregate length of sidings and other tracks not above enumerated..... 20.198 "
 Total length of iron embraced in preceding heads..... 160.912 "
 How much of the road is ballasted, and with what material :
 Nearly all ballasted with gravel.

CROSSINGS.

What railroads cross or are crossed by your road, at grade ?
 Columbus, Piqua and Indianapolis—now Pan Handle—near Piqua, Ohio.
 Pittsburgh, Fort Wayne and Chicago, at Lima, Ohio.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?

We do.

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet :

Number..... 17
 Aggregate length..... 2,376 feet.
 The greatest age of wooden bridges..... 12 years.
 The average age of wooden bridges..... 4½ years.

The number and kind of new bridges built within the year, (ending June 30, 1871,) and length in feet :

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built: date.
No. 2.....	Howe Truss.....	Wood.....	300	August, 1870.
No. 4.....	".....	".....	42	March, 1871.

FENCING.

The length of road unfenced on either side [both sides] and the reason therefor :
 A large proportion of the road is now under fence. Cannot give length unfenced.
 Cannot state what proportion of our line the land holder is obligated to fence.

EQUIPMENT.

Number of locomotives 23
 Number of passenger cars..... 15
 Number of express and baggage cars..... 4
 Number of freight cars..... 604
 Number of other cars (20 hand, 10 caboose, and 15 truck)..... 45
 Total number of persons employed in operating the road..... 583

* The company uses 1 286-1000 miles of the track of the L., S. and M. S. Railway at Toledo, in addition making total length of road 142 miles.

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion.....	Not limited.
Average rate of same, including stops.....	25
The highest rate of speed allowed by mail and accommodation trains when in motion.....	Not limited.
Average rate of same, including stops.....	23
The highest rate of speed allowed by freight trains when in motion.....	12
Average rate of same, including stops.....	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile:

	First class.
Highest rate per mile for the shortest distance passengers are carried.....	15 cents.
Highest rate per mile for distances more than 5 and less than 15 miles.....	4 "
Highest rate per mile for distances more than 15 and less than 30 miles.....	4 "
Highest rate per mile for distances more than 30 and less than 50 miles.....	3½ "
Highest rate per mile for distances more than 50 and less than 100 miles....	3½ "
Highest rate per mile for the whole length of the main road.....	3½ "
Highest rate per mile for <i>through</i> passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State.....	3½ "
General average rates	3 4-10 "

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried.....	20	16	12	10
Highest rate per ton per mile for distances of more than 5 and less than 15 miles.....	20	16	12	10
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	7	6½	4½	4
Highest rate per ton per mile for distances of more than 30 and less than 50 miles.....	5	5	4½	4
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	5	5	4½	3½
Highest rate per ton per mile for the whole length of the main road.....	5	5	4 1-6	3½
Highest rate per ton per mile for <i>through</i> freight, that is freight passing from and over the line to points on the lines of other companies or points beyond the State	4½	37-10	3	18-10
General average rates on all classes, 1.90-100 cents.				

Have you adopted the provisions of the "act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

The provisions of the act referred to have not been adopted by the Directors. They have taken no action on the subject for the presumed reason that they are better satisfied

with the provisions on the same subject contained in the charter of the Company, which they have no desire or perhaps power to impair or surrender, without the consent of the Stockholders.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID.

The length of new iron rail laid within the year.....	2 miles.
The length of rerolled iron rail laid within the year.....	6½ "

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	229,671
The number of miles run by locomotives hauling freight trains.....	284,488
The number of miles run by locomotives hauling construction and other trains not named above.....	210,279
Total mileage of locomotives.....	724,438

CARS.

The number of miles run by passenger cars.....	544,579
The number of miles run by express and baggage cars.....	287,344
The number of miles run by freight cars.....	6,272,715
Total mileage of cars.....	7,104,638

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	272,594
Total miles traveled by passengers, or number of passengers carried one mile	8,984,330
Average number of miles traveled by each passenger carried.....	33
Average amount received from each passenger carried.....	\$1.13
Average amount <i>per mile</i> received from each passenger carried.....	3.4-10 cts.

FREIGHT.

The number of tons of through freight carried.....	90,377
The number of tons of local freight carried.....	283,736
Total number of tons, through and local, carried.....	374,113
Total number of tons of freight carried one mile.....	38,742,452
Average amount received for each ton of freight carried.....	\$1.95
Average amount <i>per mile</i> received for each ton of freight carried.....	1.90-100 cts.

TONNAGE OF ARTICLES TRANSPORTED.

It will be impossible to supply this table not having kept the data in the form asked for.

FUEL CONSUMED.

Cords of wood consumed.....	30,006
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EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers...	{ Through... \$74,209 17		
	{ Local..... 233,793 67	Total....	\$308,002 84
From transportation of freight.....	{ Through... 153,676 91		
	{ Local..... 577,309 68	Total....	730,986 59
From mail			14,900 00
From express.....			25,833 65
From all other sources (except increase of capital stock) including rents, etc.			533 38
Total earnings for the year.....			<u>\$1,080,256 46</u>

OPERATING EXPENSES.

For maintenance of way and structures.....	\$212,434 02	
For maintenance of cars.....	75,347 16	
For motive power.....	160,523 75	
For conducting transportation.....	133,644 91	
General expenses, as follows:		
Taxes—State taxes.....	\$28,461 97	
National taxes	3,784 24	
Other general expenses	57,303 85	
Total general expenses	89,550 06	
Total operating expenses (being 62 1-6 per cent. of earnings) ..		<u>671,499 90</u>
Net earnings		<u>\$408,756 56</u>

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 142 miles.]

Amount of earnings per mile (142).....	\$7,607 44
Amount of operating expenses per mile (142).....	4,728 87
Amount of net earnings per mile (142).....	2,878 57

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds.....	\$297,610 00
Tax on same. (Paid by bond-holders.	
Applied to sinking fund.....	30,000 00
Construction of new work	17,755 57
Additional equipment.....	54,000 00
Additional real estate.....	76 00
Total payments in addition to operating expenses	<u>\$399,441 57</u>
Amount per mile of road (142 miles)	2,812 97

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871.

63 cows	\$1,149 00
6 heifers	96 00
6 steers	180 00
2 oxen	148 00
10 horses	710 00
1 bull	30 00
<hr/> 88 Total.....	<hr/> \$2,313 00

ACCIDENTS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871.

July 4, 1870. One employe injured (cause beyond his own control). Wm. Milner, arm broken.

July 4, 1870. One employe injured (cause beyond his own control). Jno. Bulp, ankle sprained; train struck horse, one mile south of Lima.

August 17, 1870. One employe killed (want of caution). Martin Maloney, in Gravel Pit, carelessly jumped from train to rescue a fellow-laborer.

November 1, 1870. One employe injured (want of caution). Alex. McConacher, yard-master at Lima, arm crushed and amputated; coupling cars.

February 19, 1871. One employe killed (want of caution). Cyrus Cutler, switchman, Toledo yard, caught his foot between rails—was run over.

June 24, 1871. One person. A man, name not known, lying on track, near Piqua, was killed.

Total killed—Employees	2
Other	1—3
Total injured—Employees	3

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

[United States Express Company. \$100 per day, between Cincinnati and Toledo, for 10,000 pounds of through freight daily; and 90 cents for excess, apportioned to each company (C. H. & D. and D. & M.), according to tonnage carried over each road.]

No transportation companies run over this road.

SLEEPING CARS.

Do you run sleeping cars on your road; and if so, by whom are they owned, and on what terms are they run?

Cars are run by the Pullman Sleeping Car Company, lessees of the Central Transportation Company, between Cincinnati and Detroit.

What are the sleeping-car rates per berth, section and state room, respectively, for the various distances, in addition to your regular passenger rates?

The sleeping-car companies fix their own rates. Our contract with the Central Transportation Company allows them to charge fifty cents for each and every couch, or such other sums for the use of couches as may be usual on other lines furnishing like accommodations.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons, besides officers and employes of the company, is free transportation granted?

Passes are exchanged with officers of other roads, and given to agents and employes of the road when traveling in the discharge of their duties; and to such other persons as in the judgment of the officers would subserve the interest of the company.

Do you keep any record of free transportation on your road; and can you state the amount in dollars it would have yielded, during the year, had regular fare or rates been charged?

A record has been kept, but not sufficient to give the amount in dollars and cents, had fare been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
D. McLaren	Cincinnati, Ohio.
Wm. Goodman	" "
H. D. Huntington	" "
M. R. Waite	Toledo, "
F. H. Short	Cincinnati, "
John Young	" "
Lowell Fletcher	" "
C. W. West	" "
D. McLaren, President and General Superintendent	Cincinnati, Ohio.
M. R. Waite, Vice President	Toledo, "
F. H. Short, Secretary and Treasurer	Cincinnati, "
J. H. Weller, Asst. Superintendent	Dayton, "
Samuel Stevenson, General Ticket Agent	Cincinnati, "
J. R. Reed, General Freight Agent	" "

[Report duly subscribed and sworn to by D. McLaren, President, before B. D. Stevenson, a Notary Public in and for Hamilton county, August 26, 1871.]

ANNUAL REPORT

OF THE

CINCINNATI, RICHMOND AND CHICAGO RAIL- ROAD COMPANY.

For the year ending June 30, 1871.

[ROAD LEASED TO CINCINNATI, HAMILTON & DAYTON RAILROAD COMPANY.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$500,000 00
The amount of capital stock paid in (common)	382,600 00
Amount of stock per mile of road (36 miles)	10,627 78

DEBTS.

The amount of funded debt, (giving classes), as follows:

1st mortgage bonds, (due July 1, 1895).....	\$560,000 00
2nd mortgage bonds, (due January 1, 1889).....	65,000 00
Total amount of funded debt.....	\$625,000 00
The amount of floating debt, (that is, debt not secured by mortgage)	21,294 35
Decrease of floating debt since June 30, 1870.....	1,100 54
Total amount of funded and floating debts.....	\$646,294 35
Decrease of funded and floating debt since June 30, 1870	1,100 54
Amount of debt per mile of road (36 miles).....	17,952 62
Total amount of stock and debt.....	\$1,028,894 35
Total amount of stock and debt per mile (36 miles)	28,580 40

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction and right of way.....	\$826,733 29
Cost of equipment	120,451 98
All other items embraced in cost not included in the preceding	700 00
Total cost of entire road and equipment to this date (June 30, 1871)	947,885 27
Cost of road and equipment per mile (36 miles)	26,330 15

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF ENTIRE LINE.

Total length of entire line (6 miles of which is leased in Indiana).....	Miles. 42
--	--------------

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron	36
Aggregate length of sidings and other tracks not above enumerated	2.55
Total length of iron embraced in preceding heads	38.55

How much of the road in Ohio is ballasted and with what material ?

All with gravel.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?

Yes.

BRIDGES AND TRETTLES.

Number of wooden bridges, and aggregate length in feet :

Number	22
Aggregate length.....	2,476 feet.
The greatest age of wooden bridges	16 years.
The average age of wooden bridges.....	8 "

The number and kind of new bridges built within the year, (ending June 30, 1871,) and length in feet:

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built—date.
No. 16.....	Howe Truss	Wood	143	December, 1870.
No. 15.....	"	"	143	January, 1871.
No. 19.....	"	"	110	February, 1871.
No. 20.....	"	"	110	April, 1871.

FENCING.

The length of road unfenced on either side [both sides] and the reason therefor.

We are renewing fences where worn out.

EQUIPMENT.

Number of locomotives	6
Number of passenger cars	1
Number of express and baggage cars	3
Number of freight cars	57
Number of other cars, caboose 1, hand cars 5.....	6
Total number of persons employed in operating the road	56

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by mail and accommodation trains when in motion	25
Average rate of same, including stops	20
The highest rate of speed allowed by freight trains when in motion.....	12
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile :

	First class.
Highest rate per mile for the shortest distance passengers are carried	15 cents.
Highest rate per mile for distances more than 5 and less than 15 miles.....	4 "
Highest rate per mile for distances more than 15 and less than 30 miles.....	4 "
Highest rate per mile for distances more than 30 and less than 50 miles.....	3½ "
Highest rate per mile for distances more than 50 and less than 100 miles.....	3½ "
Highest rate per mile for the whole length of the main road in Ohio	3½ "
Highest rate per mile for <i>through</i> passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State	3½ "

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried	20	16	12	10
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	20	16	12	10
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	7	6½	4½	4
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	5	5	4½	4
Highest rate per ton per mile for distances of more than 50 and less than 100 miles.....	5	5	4½	3½
Highest rate per ton per mile for the whole length of the main road in Ohio.....	5	5	4 1-6	3½
Highest rate per ton per mile for <i>through</i> freight, that is freight passing from and over the line to points on the lines of other companies or points beyond the State	4½	3 7-10	3	1 8-10
General average rates on all classes, 2 56-100 cents				

Have you adopted the provisions of the "act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871 ? If not, why ?

The provisions of the act referred to have not been adopted by the Directors. They have taken no action on the subject, for the presumed reason that they are better satisfied with the provisions on the same subject contained in the charter of the company, which they have no desire, or, perhaps, power to impair or surrender without the consent of the stockholders.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID.

The length of rerolled iron rail laid within the year..... 1 4-10 miles.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	50,808
The number of miles run by locomotives hauling freight trains	21,405
The number of miles run by locomotives hauling mixed trains	858
Total mileage of locomotives.....	73,071

CARS.

The number of miles run by passenger cars	119,410
The number of miles run by express and baggage cars	54,769
The number of miles run by freight and caboose cars	515,584
Total mileage of cars	689,763

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	77,276
Total miles traveled by passengers, or number of passengers carried one mile	2,185,793
Average number of miles traveled by each passenger carried	28½
Average amount received from each passenger carried.....	97 cents.
Average amount <i>per mile</i> received from each passenger carried.....	3 3-10 "

FREIGHT.

The number of tons of through freight carried.....	51,203
The number of tons of local freight carried.....	37,082
Total number of tons, through and local, carried.....	88,285
Total number of tons of freight carried one mile.....	3,526,913
Average amount received for each ton of freight carried.....	\$1 02½
Average amount <i>per mile</i> received for each ton of freight carried.....	\$2 56-100

TONNAGE OF ARTICLES TRANSPORTED.

It will be impossible to supply this table, not having kept the data in the form asked for.

FUEL CONSUMED.

Cords of wood consumed.....	3,416
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EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers -	{ Through..	\$21,851 55		
	{ Local.....	50,252 25	Total	\$72,103 80
From transportation of freight	{ Through..	41,959 90		
	{ Local.....	48,328 08	Total	96,287 98
From mail				3,600 00
From express.....				3,504 17
From all other sources, except increase of capital stock, including rents, etc.....				243 96
Total earnings for the year.....				<u>\$169,739 91</u>

OPERATING EXPENSES.

For maintenance of way and structures		\$46,251 50	
For maintenance of cars.....		6,581 77	
For motive power.....		34,767 62	
For conducting transportation		20,371 16	
General expenses, as follows:			
Taxes, State and National—			
State taxes ... { Ohio	\$2,224 64		
{ Indiana	382 00		
		<u>\$2,606 64</u>	
National taxes	498 71		
Other general expenses	18,170 76		
Total general expenses.....		<u>\$21,276 11</u>	
Total operating expenses (76 1-7 per cent of earnings).....			<u>129,248 16</u>
Net earnings.....			<u>\$40,491 75</u>

AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 42 miles for entire line, and 36 miles for Ohio.]

Amount of earnings per mile.....	\$4,041 43—proportion for Ohio.	\$145,491 48
Amount of operating expenses per mile..	3,077 34— " " "	110,784 24
Amount of net earnings per mile.....	964 09— " " "	34,707 24

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds.....	\$43,750 00
Tax on same	(Paid by bondholders.)
Amount per mile of road (42 miles).....	1,041 67
Proportion for Ohio (36 miles).....	37,500 12

If the foregoing payments exceed the net earnings, state from what source the surplus was derived?

Floating debt.

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871:

6 cows.....	\$225 00
1 steer.....	110 00
7 Totals.....	<u>\$335 00</u>

ACCIDENTS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871:

December 17, 1870. One employe killed (want of caution). James Cunningham fell from train, at Somerville, and was run over. Died the same day.

March 1, 1871. One employe killed (want of caution). Robert Miller caught between platform and car, at Camden, and badly crushed. Died March 5, 1871.

May 27, 1871. One employe killed (want of caution). Thomas Pelton struck by bridge No. 3, near Seven Mile.

Total employes killed..... 3

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

American Express Co., \$60.00 per week for 24,000 lbs.; excess, 16 cents per 100 lbs.

No transportation companies run on this road.

SLEEPING CARS.

Do you run sleeping cars on your road; and if so, by whom are they owned, and on what terms are they run?

Pullman Sleeping Car Co.; no contract with parties.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

Sleeping Car Company establishes their own rates for berths.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons, besides officers and employes of the company, is free transportation granted?

Passes are exchanged with officers of other roads, and given to agents and employes of the road when traveling in the discharge of their duties, and to such other persons as in the judgment of the officers would subserve the interest of the company.

Do you keep any record of free transportation on your road; and can you state the amount, in dollars, it would have yielded during the year, had regular fare or rates been charged?

A record has been kept, but not sufficient to give the amount, in dollars and cents, had fare been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
D. McLaren	Cincinnati, Ohio.
George T. Stedman	" "
Wm. Goodman	" "
Lowell Fletcher	" "
E. W. McGuire	Eaton, "
F. H. Short	Cincinnati, "
H. D. Huntington	" "
C. W. West	" "
D. McLaren, President and General Superintendent	" "
George T. Stedman, Vice President	" "
F. H. Short, Secretary and Treasurer	" "
L. Williams, Assistant Superintendent	" "
Samuel Stevenson, General Ticket Agent	" "
J. R. Reed, General Freight Agent	" "

[Report duly subscribed and sworn to by D. McLaren, President, before R. D. Stevenson, Notary Public in and for Hamilton county, on the 26th of August, 1871.]

ANNUAL REPORT

OF THE

CINCINNATI AND INDIANA RAILROAD

COMPANY,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

The road of this company is leased to and operated by the Indianapolis, Cincinnati and Lafayette Railroad Company, and prior to May 1, 1871, the Harrison Branch was operated by that company as a branch of this (C. & I.) road, and its operations for ten months, ending with that date, are included in this report. Since that date the branch has been operated by the White Water Valley R. R. Co. [See report of *Harrison Branch Railroad*, following this report.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$2,000,000 00
The amount of capital stock paid in (common).....	\$500,000 00
The amount of capital stock subscribed but not yet paid..	1,500,000 00
Amount of stock per mile of road (apportioned on paid-in stock, 20 $\frac{1}{4}$ miles)	24,390 25

DEBTS.

The amount of funded debt (giving classes), as follows:

First mortgage bonds (due Dec. 1, 1872)	\$500,000 00
Second mortgage bonds (due, \$1,000,000 Jan. 1, 1877, \$500,000 Jan. 1, 1882)	1,500,000 00
Total amount of funded debt.....	\$2,000,000 00
Amount of debt per mile of road (20 $\frac{1}{4}$ miles).....	97,560 98
Total amount of stock and debt.....	\$4,000,000 00
Total amount of stock and debt per mile (20 $\frac{1}{4}$ miles)	121,951 23

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871.....	\$1,894,477 60
Cost of road and equipment per mile (20 $\frac{1}{4}$ miles)	92,413 54

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF LINE.

Length of single main track laid with iron.....	20 5-10 miles.
Aggregate length of sidings and other tracks not above enumerated.....	8 1-10 "
Total length of iron embraced in preceding heads.....	28 6-10 "
How much of the road is ballasted, and with what material ?	
All, with gravel.	

CROSSINGS.

What railroads cross or are crossed by your road, at grade ?
The Ohio and Mississippi Railway, within the corporate limits of Cincinnati.
Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?
Yes; by special rule of time table.

BRIDGES.

Number of wooden bridges, and aggregate length in feet :	
Number.....	2
Aggregate length.....	847 feet.
Number of stone bridges, and aggregate length in feet :	
Number.....	1
Aggregate length.....	100 feet.
The greatest age of wooden bridges.....	8 years.
The average age of wooden bridges.....	8 years.

FENCING.

The length of road unfenced on either side [both sides,] and the reason therefor :
Very little of the road is fenced.
No road fenced during the past year.
Cannot state what proportion of line the land holder is obligated to fence.

EQUIPMENT.

Number of locomotives	51
Number of passenger cars.....	44
Number of express and baggage cars.....	13
Number of freight cars.....	994
Number of other cars.....	30
Total number of persons employed in operating the road.....	350

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion.....	35
Average rate of same, including stops.....	30
The highest rate of speed allowed by mail and accommodation trains when in motion.....	30
Average rate of same, including stops.....	25
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same, including stops.....	12

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First class.	Second class.	Third class.
Highest rate per mille for the shortest distance passengers are carried	Cents. 5	Cents. 2½	Cents. 1½
Highest rate per mile for distances more than 15 and less than 30 miles	3	2½	1½
Highest rate per mile for the whole length of the main road ..	3½	2½	1½
Highest rate per mile for <i>through</i> passengers, that is, those passing from and over the line to points on the lines of other companies or points beyond the State.....	4	....	.....

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
Highest rate per ton per mile for the shortest distance freight is carried.....	Cents. 32	Cents. 80	Cents. 28	Cents. 20	Cents. 20
Highest rate per ton per mile for distances of more than 5 and less than 15 miles.....	32	30	28	20	20
Highest rate per ton per mile for distances of more than 15 and less than 30 miles.....	20	15.8	14.1	10	10
Highest rate per ton per mile for the whole length of the main road.....	20	15.8	14.1	10	10
Highest rate per ton per mile for <i>through</i> freight, that is, freight passing from and over the line to points on the lines of other companies or points beyond the State.....	7	5.2	3.4	2.6	2.1

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within the State," passed April 26, 1871?

Yes, as far as we understand them.

IRON RAIL LAID, AND STEEL RAIL IN USE.

The length of re-rolled iron rail laid during the year—estimated..... 4 miles.

How much steel rail have you?

Only a few hundred feet.

What is the relative durability and value of steel rails compared with iron, as used on your road?

Have but a small amount of steel rail; was laid before the present management took the road; our engineer estimates 15 to 1 as his past experience.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	530,791
The number of miles run by locomotives hauling freight trains.....	706,218
The number of miles run by locomotives hauling construction and other trains not named above.....	81,264
Total mileage of locomotives.....	1,318,273

CARS.

The number of miles run by passenger cars.....	1,265,930
The number of miles run by express and baggage cars.....	558,465
The number of miles run by freight cars.....	6,423,009
The number of miles run by caboose cars.....	362,240
Total mileage of cars.....	8,614,664

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	195,155
Total miles traveled by passengers, or number of passengers carried one mile	3,163,115
Average number of miles traveled by each passenger carried.....	16.5
Average amount received from each passenger carried.....	59.46
Average amount <i>per mile</i> received from each passenger carried.....	03.66

FREIGHT.

The number of tons of through freight carried.....	384,212
The number of tons of local freight carried.....	66,440
Total number of tons, through and local, carried.....	450,652
Total number of tons of freight carried one mile.....	7,300,562
Average amount received for each ton of freight carried.....	37½
Average amount <i>per mile</i> received for each ton of freight carried.....	1.81

TONNAGE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.	Per cent.
Coal	38,100	8.45
Stone and lime.....	39,230	8.71
Railroad and pig iron	14,633	3.25
Lumber and other forest products.....	73,720	16.36
Animals	49,360	10.95
Grain	58,531	12.99
Flour	14,620	3.24
Merchandise and other articles.....	162,458	36.05
Total	450,652	100.

FUEL CONSUMED.

Cords of wood consumed.....	6,868
Tons of coal consumed.....	1,836

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS

From transportation of passengers	\$116,045 88
From transportation of freight.....	162,774 36
From mail	4,892 84
From express.....	4,721 16
Total earnings for the year	\$288,434 24

OPERATING EXPENSES.

For maintenance of way and structures.....	\$55,035 60
For maintenance of cars	18,908 89
For motive power	73,135 56
For conducting transportation	69,026 67
General expenses, as follows :	
Taxes—	
State taxes.....	\$4,596 20
National taxes	1,464 20
Total general expenses	6,060 40
Total operating expenses (being 77 per cent. of earnings).....	222,167 12
Net earnings	\$66,267 12

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds.....	\$140,000 00
Tax on same	3,500 00
Dividends on preferred stock, rate per cent., 10 (on \$43,300).....	4,221 75
Tax on same	108 25
Total payments in addition to operating expenses	\$147,830 00
Amount per mile of road (20½ miles	7,211 21

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871.

25 hogs	\$196 00
6 cows	245 00
4 steers	115 00
3 heifers	75 00
2 horses.....	135 00
40 Totals.....	\$766 00

ACCIDENTS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871.

August —, 1870. One person killed (on track). John McDonald, run over by train. Want of caution on his part.

November —, 1870. One person injured (on track). Mrs. G. H. Stevens, slightly injured in wagon, on crossing.

Total killed, 1; injured, 1.

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc. ?

The American Merchants' Union Express Company, runs on the road [under contract with Ind., Cin. and Lafayette Railroad Co.]

No transportation companies run on this road.

SLEEPING CARS.

Do you run sleeping cars on your road ; and if so, by whom are they owned, and on what terms are they run ?

Two "Pullman," on which we pay mileage only.

Two "Sanderson," on which we pay mileage only.

Two "Pullman," on which we pay no mileage.

What are the sleeping-car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates ?

One dollar and fifty cents is the uniform charge per berth over night.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation ; and to what classes of persons, besides officers and employees of the company, is free transportation granted ?

Our rules are : to pass employees of this company, under proper regulations ; the employees of other companies, upon request of their superior officers ; officers of other roads and transportation companies ; objects of charity, and, to a moderate extent, State and City officials.

Do you keep any record of free transportation on your road ; and can you state the amount in dollars it would have yielded, during the year, had regular fare or rates been charged ?

No reliable record kept.

NAMES OF THE OFFICERS OF THE COMPANY.

Wm. A. Booth	President.
J. S. Kennedy	Vice President.
A. Worth	Secretary and Auditor.
O. T. Boaz	Cashier.
M. E. Ingalls	General Manager.
O. F. Moore	Superintendent.
G. L. Barringer	Master of Transportation.
J. E. Williams	Engineer.
W. H. L. Noble	General Ticket Agent.
H. J. Page	General Freight Agent.

[Report duly subscribed and sworn to, by Alexander Worth, Secretary, Sept. 29, 1871, before J. W. Brewster, Notary Public in and for Hamilton county, O.]

ANNUAL REPORT

OF THE

HARRISON BRANCH RAILROAD,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

[The following prefatory statement is made up from letters received from Chapman Dwight, Esq., the General Agent of the road :

The Harrison Branch Railroad was built by individuals acting as a partnership, and not a corporation. Immediately upon its completion it was leased to the Cincinnati and Indiana Railroad Company, and subsequently transferred by that company, with its own road, to the Indianapolis, Cincinnati and Lafayette Railroad Company. The road was operated by the latter named company up to and during a part of the present year, when the company (I. C. & L.), encountering financial embarrassment and litigation, its road was placed in the hands of a Receiver. The Receiver also claimed possession of the Harrison Branch, averring that it was built as a branch of the Cincinnati and Indiana Railroad, under the act of May 1, 1852, "To provide for the creation and regulation of incorporated companies in the State of Ohio," (S. & C., vol. 1, p. 271,) and the amendment thereto of March 8, 1865, (S. & S. Sup., p. 110,) and that the company could hold it by paying those who built it the amount of their investment, with interest. The other parties in interest contested this claim, and a suit at law for the possession of the road was brought. This suit resulted in the disallowance of the claim of the Receiver and the delivery of the road to the parties who built it, on the first of May, 1871. These parties immediately leased the road to the White Water Valley R. R. Co., by which company it is now operated. But having been operated by that company only two months, and no separate accounts having been kept, but a very imperfect report of its operations can be made, and the items given are mostly estimates. The operations of the remaining ten months of the present year are included with those of the Cincinnati and Indiana Railroad, in the report of that road preceding.]

CAPITAL STOCK.

Amount of capital stock (common) all paid in	\$200,000 00
Amount of stock per mile of road (7½ miles)	26,666 66

COST OF ROAD.

Total cost of road to this date (June 30, 1871)	\$200,000 00
Cost of road and equipment per mile (7½ miles)	26,666 66

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF LINE.

Length of single main track laid with iron	7.003 miles.
Aggregate length of sidings, etc.....	491 "
Total length of iron.....	7.494 miles.

How much of the road is ballasted, and with what material ?

The entire road is ballasted with the best gravel.

CROSSINGS.

The road is not crossed by any other railroads.

BRIDGES.

Number of wooden bridges and aggregate length in feet :

Number	1
Aggregate length	230 feet.
Age of bridge	8 years.

The above bridge has been fully repaired and rebuilt since August 1, 1871, by the White Water Valley R. R. Co.

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor :

About four miles. The old canal is soon to be filled with water about six feet deep, by the Harrison Hydraulic Co., and no further fencing will be required.

Length of road fenced within two months, (ending June 30, 1871,) and cost per rod :

Half a mile, at a cost of about \$4 per rod.

EQUIPMENT.

Number of locomotives	5
Number of passenger cars.....	4
Number of express and baggage cars	2
Number of freight cars	110
Number of other cars.....	2

[The above is the equipment of the W. W. Valley R. R. Co., which it uses over the Harrison branch.]

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	30
Average rate of same, including stops	23
The highest rate of speed allowed by mail and accommodation trains when in motion	25
Average rate of same, including stops	21
The highest rate of speed allowed by freight trains when in motion.....	12
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile :

	First Class.
Highest rate per mile for the shortest distance passengers are carried	5 cents.
Highest rate per mile for the whole length of the main road	5 "
Highest rate per mile for <i>through</i> passengers, that is, those passing from and over the line to points on the lines of other companies, or points beyond the State	4 "
General average rates	4½ "

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried	3	2½	2	1½	1½
Highest rate per ton per mile for the whole length of the main road	3	2½	2	1½	1½
Highest rate per ton per mile for <i>through</i> freight, that is, freight passing from and over the line to points on the lines of other companies, or points beyond the State	3	2½	2	1½	1½

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871 ?

Yes.

OPERATIONS OF THE TWO MONTHS ENDING JUNE 30, 1871.

Mileage of Locomotives and Cars.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains	1,874
The number of miles run by locomotives hauling freight trains	992
Total mileage of locomotives	2,866

CARS.

The number of miles run by passenger cars	2,496
The number of miles run by express and baggage cars	832
The number of miles run by freight cars	9,464
The number of miles run by caboose cars	992
Total mileage of cars	13,784

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	5,211
Total miles traveled by passengers, or number of passengers carried one mile	41,688
Average number of miles traveled by each passenger carried	8
Average amount received from each passenger carried	32 cents.
Average amount per mile received from each passenger carried	4 "

FREIGHT.

The number of tons of through freight carried.....	6,241
Total number of tons of freight carried one mile.....	49,928
Average amount received for each ton of freight carried.....	32 cents.
Average amount per mile received for each ton of freight carried	2 "

TONNAGE OF ARTICLES TRANSPORTED.

Have no data from which to answer questions as to tonnage of articles transported.

FUEL CONSUMED.

Cords of wood consumed	81
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EARNINGS, OPERATING EXPENSES, Etc., FOR TWO MONTHS, ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$1,667 50
From transportation of freight.....	1,977 12
Total earnings for the two months.....	\$3,644 62

OPERATING EXPENSES.

For maintenance of way and structures	\$432 00
For conducting transportation	83 20

The operations of the two months do not give us the figures to answer any more of the questions as to earnings and expenses. The questions we have answered are on estimates.

ANIMALS KILLED.

The number and kind of farm animals killed within the two months, and amount of damages paid therefor:

3 hogs. Amount paid	\$7 50
---------------------------	--------

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

American Merchants' Union Express Company has a contract with the W. W. Valley R. R. Co. It runs over this road. It pays \$15 a day for the whole line.

No transportation companies run on this road.

OFFICERS.

The only officer of the road is Chapman Dwight, General Agent, Cincinnati, Ohio, P. O. address Box 636.

[Report duly subscribed and sworn to by Chapman Dwight, General Agent, before James Perkins, Notary Public in and for Hamilton county, Ohio, September 21, 1871.]

ANNUAL REPORT

OF THE

CINCINNATI AND MUSKINGUM VALLEY RAILWAY COMPANY,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

[That part of the road of this company now constructed and in operation, extending from Morrow, Warren county, to Zanesville, 132 miles, was formerly the Cincinnati and Zanesville Railroad, having been purchased at judicial sale by Thomas L. Jewett, December 1, 1869, and by him subsequently conveyed to this company. The company is now engaged in building an extension of the road from Zanesville to Dresden, 16 miles, to connect with the P., C. & St. L. Railway, but at this date (June 30, 1871), no iron is laid on this extension. The following report gives the operations of the road for ten months only, the road not having been finally transferred to the present company at the beginning of the present year, and its accounts not having been kept in such shape as to enable the company to make report for the entire year.]

[Applying to 16 miles under construction, Zanesville to Dresden.]

Expenditures up to June 30, 1871, (that is all expenditures from the date of commencement of the road to the date named), as follows:

For grading and masonry	\$151,873 55
“ bridges and superstructures	21,144 23
“ iron rails, chairs and spikes	6,066 51
“ timber and ties	9,556 00
“ right of way	25,145 35
“ civil engineering	3,336 79
“ contingent expenses	935 82
“ ballast and track laying	1,083 75
Total	\$219,142 00
Amount per mile of road (16 miles)	13,696 37

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$4,000,000 00
The amount of capital stock paid in (common)	\$3,845,815 00
The amount of capital stock subscribed, but not yet paid ..	154,185 00
Total amount of stock	4,000,000 00
Amount of stock per mile of road (148 miles)	27,027 03

DEBTS.

The amount of funded debt:	
1st mortgage bonds (due January 1, 1901).....	\$1,500,000 00
Amount of debt per mile of road (148 miles).....	10,135 13
Total amount of stock and debt	5,500,000 00
Total amount of stock and debt per mile (148 miles).....	37,162 16

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871, (as represented by stock and debt).....	\$5,500,000 00
Cost of road and equipment per mile (148 miles).....	37,162 16

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

[Length of road when extension is completed, 148 miles.]

Length of single main track laid with iron	132 miles.
Aggregate length of sidings and other tracks not above enumerated	10½ "
Total length of iron laid, embraced in preceding heads.....	142½ "

How much of the road is ballasted and with what material?

Seven-eighths with gravel.

How much of the road has been ballasted since June 30, 1870, and with what material?

With gravel pretty generally, over 25 miles.

CROSSINGS.

What railroads cross or are crossed by your road, at grade?

Little Miami R. R., at Morrow.

Columbus and Hocking Valley R. R., at Lancaster.

Newark, Somerset and Straitsville R. R., at Wolf's Station.

Baltimore and Ohio R. R., (C. O. Div.,) connect with at Zanesville.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860?

Published on "Time Card."

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet:

Number	34
Aggregate length.....	4,096 feet.
Number of combination iron bridges, and aggregate length in feet:	
Number.....	1
Aggregate length.....	102 feet.

Number of wooden trestles, and aggregate length in feet:

Number.....	46
Aggregate length.....	4,801 feet.
The greatest age of wooden bridges.....	13 years.
The average age of wooden bridges.....	7½ "
The greatest age of wooden trestles.....	7½ "

The number and kind of new bridges built within the year ending June 30, 1871, and length in feet:

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built—date.
No. 37	Howe Truss	Wood	125	Sept., 1870.
No. 19	"	"	125	Feb., 1871.
No. 23	Post combination *	Wood and iron	102	April, 1871.
Rattlesnake	Pile trestle	Wood	175	Feb., 1871.
Sugar Run	"	"	60	Feb., 1871.
Paint Creek	Bent trestle	"	200	May, 1871.
¾ mile east of Berne	"	"	60	Jan., 1871.
1 mile east of Stouts	"	"	30	Jan., 1871.
1 mile east of Lexington	Trestle girder	"	38	March, 1871.

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor: No record.

Length of road fenced within the past year (ending June 30, 1871), and cost per rod: 2½ miles; \$1.60.

Can not state what proportion of the line the land-holder is obligated to fence.

EQUIPMENT.

Number of locomotives	16
Number of passenger cars	10
Number of express and baggage cars	4
Number of freight cars	† 118
Number of other cars	241
Total number of persons employed in operating the road	407

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	35
Average rate of same, including stops	22
The highest rate of speed allowed by mail and accommodation trains when in motion	30
Average rate of same, including stops	22
The highest rate of speed allowed by freight trains when in motion	15
Average rate of same, including stops	10

* Post combination truss—wooden top chord, streets and floor beams, and iron lower chord, etc.

† A part of these (number not stated) are new coal cars, and their cost is not included in the item "maintenance of cars," on page 91.

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile :

	First class.
Highest rate per mile for the shortest distance passengers are carried (2 miles)	7½ cents.
Highest rate per mile for distances more than 5 and less than 15 miles....	4 "
Highest rate per mile for distances more than 15 and less than 30 miles...	4 "
Highest rate per mile for distances more than 30 and less than 50 miles...	3½ "
Highest rate per mile for distances more than 50 and less than 100 miles..	3½ "
Highest rate per mile for the whole length of the main road	3½ "
Highest rate per mile for through passengers, that is, those passing from and over the line to points on the lines of other companies, or points beyond the State	3½ "
General average rates.....	4 1-6 "

FREIGHT.

The rate per ton per mile charged for the various classes of freight, through and local.	First class.	Second class.	Third class.
	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried (2 miles)	110	80	7
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	24	18	16
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	14	18	9
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	10	8	6½
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	8	6½	5
Highest rate per ton per mile for the whole length of the main road	7	5½	4 4-10
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies, or points beyond the State	7	5½	4 4-10
General average rates	29	21	18

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871 ?

Have in newly established rates ; are preparing new tariff on basis of terms of this act.

DOINGS OF THE TEN MONTHS ENDING JUNE 30.

IRON RAIL LAID.

The length of new iron rail laid within the ten months.....	12 miles.
The length of re-rolled iron rail laid within the ten months	11 "

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains	103,083
The number of miles run by locomotives hauling freight trains	63,011
The number of miles run by locomotives hauling mixed trains.....	33,348
Total mileage of locomotives	199,442

CARS.

The number of miles run by passenger cars	285,684
The number of miles run by express and baggage cars	117,481
The number of miles run by freight cars	1,239,779
The number of miles run by caboose cars	13,111
Total mileage of cars	1,656,055

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	115,971
Total miles traveled by passengers, or number of passengers carried one mile	2,620,787
Average number of miles traveled by each passenger carried.....	22 63-100
Average amount received from each passenger carried.....	82 83-100 cts.
Average amount per mile received from each passenger carried	3 66-100 "

FREIGHT.

The number of tons of through freight carried	3,602
The number of tons of local freight carried	92,720
Total number of tons, through and local, carried	96,322
Total number of tons of freight carried one mile	5,925,164
Average amount received for each ton of freight carried.....	\$1 96
Average amount per mile received for each ton of freight carried	3 19

TONNAGE OF ARTICLES TRANSPORTED.

Cannot give tonnage and per cent., not having kept account of articles separately.

FUEL CONSUMED.

Cords of wood consumed, (10 months)	753
Tons of coal consumed, (")	8,316

EARNINGS, OPERATING EXPENSES, ETC., FOR THE 10 MONTHS ENDING

JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$56,037 73
From transportation of freight	189,354 51
From mail	8,312 50
From express	16,666 60
From all other sources (except increase of capital stock), including rents, etc.,	14,866 39
Total earnings 10 months	\$325,237 64

OPERATING EXPENSES.

For maintenance of way and structures.....	\$105,076 73
For maintenance of cars	30,552 93
For motive power	83,556 55
For conducting transportation	39,068 94
General expenses, as follows :	
State taxes.....	\$7,411 60
Other general expenses	19,516 92
Total general expenses.....	26,928 52
Total operating expenses (being 87½ per cent. of earnings)	285,183 67
Net earnings	\$40,053 97

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 132 miles.]

Amount of earnings per mile	\$2,463 92
Amount of operating expenses per mile.....	2,160 48
Amount of net earnings per mile	303 44

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871 :

4 sheep .....	.....
7 cows.....	\$10 00
11 Totals.....	\$10 00

ACCIDENTS TO PERSONS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871 :

May —. One employe injured (cause beyond his own control). ——— : hands bruised while coupling.

May —. One employe injured (cause beyond his own control). ——— ; hand bruised while coupling.

June —. One person injured (on track). ——— ; attempted to stop frightened team ; slipped immediately in front of engine.

June —. One person killed (on track). ——— ; intoxicated ; fell between coal cars, while in motion.

Total killed—

Employes	0
Others	1
	— 1

Total injured—

Employes	2
Others	1
	— 3

EXPRESS AND TRANSPORTATION COMPANIES.

No express companies run on this road.

No transportation companies run on this road.

SLEEPING CARS.

No sleeping cars run on this road.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

Only in case of charity.

Keep no record of free transportation on this road, and cannot state the amount in dollars it would have yielded, had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Chas. Moran	New York City.
Thos. A. Scott.....	Philadelphia, Pa.
Geo. B. Roberts	"
Thos. L. Jewett.....	Staubenville, O.
Joseph K. Johnston	Coshocton, O.
E. E. Fillmore	Zanesville, O.
H. J. Jewett	Columbus, O.
H. J. Jewett, President	"
J. A. Lippincott, Secretary and Treasurer	Zanesville, O.
D. C. Converse, Auditor	"
C. C. Waite, Superintendent and Engineer	"
R. B. Bailey, General Ticket and Freight Agent.....	"

[Report duly subscribed and sworn to, by H. J. Jewett, President, October 13, 1871, before Jno. H. Dynes, Clerk to the Commissioner of Railroads and Telegraphs.]

ANNUAL REPORT

OF THE

CINCINNATI, SANDUSKY AND CLEVELAND RAILROAD COMPANY,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

On the 25th day of January, 1871, this company, by vote of its stockholders, leased that portion of its line, 25 miles in length, between Dayton and Springfield, to the Cincinnati and Springfield Short Line Railroad Company, which company, however, does not take possession until April 1st, 1872.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

Amount of capital stock authorized.....		\$4,000,000 00
The amount of capital stock paid in -	<div style="display: inline-block; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle; font-size: 2em;">{</div> <div style="display: inline-block; vertical-align: middle;"> Common \$2,980,550 00 Preferred * 420,046 44 </div> </div>	
Total amount of stock.....		3,409,596 44
Increase of stock since June 30, 1870		13,150 00
Amount of stock per mile of road (171 miles)		19,939 16

DEBTS.

The amount of funded debt, (giving classes) as follows:

1st mortgage bonds on part of road, and 2d on balance, due Aug. 1st, 1900	\$997,000 00
1st mortgage bonds on part of road, and 2d on balance, due Sept. 1st, 1877	1,067,421 20
1st mortgage S. C. & I bonds, on part of road, due Dec. 1st, 1900.....	350,000 00
Cincinnati, Dayton and Eastern mortgage bonds (convertible into C. S. & C. 1st and 2d mortgage bonds at par)	5,000 00
Total amount of funded debt.....	\$2,419,421 20

* Preferred stock was last year reported under head of debt.

Increase of funded debt since June 30, 1870	\$1,570 00
The amount of floating debt (that is, debt not secured by mortgage)	1,800 00
Decrease of floating debt since June 30, 1870	47,292 11
Total amounts of funded and floating debts	\$2,421,221 20
Decrease of funded and floating debt since June 30, 1870	45,722 11
Amount of debt per mile of road (171 miles)	14,159 19
Total amount of stock and debt	\$5,830,817 64
Total amount of stock and debt per mile of road (171 miles)	34,098 35

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction	\$4,790,000 00
Cost of right of way	170,000 00
Cost of equipment	518,000 00
All other items embraced in cost not included in the preceding	352,817 64
Total cost of entire road and equipment to this date, June 30, 1871.	\$5,830,817 64
Cost of road and equipment per mile (171 miles)	34,098 35

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

Length of single main track laid with iron	155 miles.
Length of branches:	
Findlay Branch, single track	15½ "
Aggregate length of sidings and other tracks not above enumerated	22 "
Total length of iron embraced in preceding heads	192½ "
How much of the road is ballasted, and with what material ?	
Entire road ballasted with gravel.	

CROSSINGS.

What railroads cross or are crossed by your road, at grade ?

Lake Shore & Mich. Southern Railway, Toledo Division	at Clyde.
Pittsburgh, Ft. Wayne & Chicago Railway	" Forest.
C. C. C. & I. Railway	" Bellefontaine.
P. C. & St. L. Railway	" Urbana.
A. & G. W. Railway	" "
" "	" Dayton.
Dayton & Michigan Railway	" "

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the Act of March 24, 1860 ?

It is duly published according to law, and is in use on all the time cards on the road.

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet :

Number	11
Aggregate length	1,190 feet.

Number of wooden trestles, and aggregate length in feet :

Number	155
Aggregate length	2,200 feet.
The greatest age of wooden bridges	19 yrs.
The average age of wooden bridges	8½ "
The greatest age of wooden trestles	19 "

NEW BRIDGES.

One wooden bridge, Howe Truss, 60 feet in length, built at Tiffin, in fall of 1870.

FENCING.

The length of road unfenced on either side, [both sides,] and the reason therefor ?
About 20 miles. We are fencing all the time.

Length of road fenced within the past year (ending June 30, 1871), and cost per rod ?
About 20 miles ; costs \$1.80 per rod.

Can you state what proportion of your line the landholder is obligated to fence ?
About two-thirds.

EQUIPMENT.

Number of locomotives	26
Number of passenger cars	25
Number of express and baggage cars	7
Number of freight cars	567
Number of other cars (hand and push cars for track work)	67
Total number of persons employed in operating the road (average)	590

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	21
Average rate of same, including stops	19
The highest rate of speed allowed by mail and accommodation trains when in motion	24
Average rate of same, including stops	20
The highest rate of speed allowed by freight trains when in motion	12
Average rate of same, including stops	9

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile :

	First class.
Highest rate per mile for the shortest distance passengers are carried	5 cents.
Highest rate per mile for distances more than 5 and less than 15 miles	4 "
Highest rate per mile for distances more than 15 and less than 30 miles	4 "
Highest rate per mile for distances more than 30 and less than 50 miles	4 "
Highest rate per mile for distances more than 50 and less than 100 miles	4 "
Highest rate per mile for the whole length of the main road	3½ "
Highest rate per mile for through passengers, that is, those passing from and over the line to points on the lines of other companies or points beyond the State	3 "
General average rates (all classes), 2½ cents per mile [?].	

FREIGHT.

The rate per ton per mile charged for the various classes of freight, through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried.....	43	33	30	20	.....
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	21	24	20	12½	.....
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	16	12½	10	7½	.....
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	11	10	7½	5	.....
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	8	7	5	4	.....
Highest rate per ton per mile for the whole length of the main road	6	5	3½	2½	1½
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies or points beyond the State	3½	2½	1½	1½	.....
General average rates (all classes) 2 cents per ton per mile.					

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

This company regulates its tariff in accordance with the privileges granted by its charter, and an amendatory act passed January 5, 1832. This amendatory act provides, "that after the expiration of said forty years from the time fixed for the completion of the road, *and not before*, the Legislature shall have the right to alter the amount of tolls on transportation fixed in the act to which this is an amendment, and to make such other amendments as in equity they may deem proper."

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID

The length of new iron rail laid within the year, about	15 miles.
The length of re-rolled iron rail laid within the year, about	2 "
The length of spliced and mended iron rail laid within the year.....	3 "

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	309,187
The number of miles run by locomotives hauling freight trains	295,063
The number of miles run by locomotives hauling construction and other trains not named above.....	44,585
Total mileage of locomotives	648,835

Railroads and Telegraphs.

849

CARS.

The number of miles run by passenger cars.....	618,374
The number of miles run by express and baggage cars.....	309,187
The number of miles run by freight cars.....	2,110,664
The number of miles run by caboose cars	339,648
Total mileage of cars	<u>3,377,873</u>

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	261, 433
Total miles traveled by passengers, or number of passengers carried one mile	10,457,320
Average number of miles traveled by each passenger carried	40
Average amount received from each passenger carried.....	\$1 00
Average amount <i>per mile</i> received from each passenger carried	2½ cents.

FREIGHT.

The number of tons of through freight carried.....	67,629
The number of tons of local freight carried.....	171,576
Total number of tons, through and local carried	<u>239,205</u>
Total number of tons of freight carried one mile.....	23,372,488
Average amount received for each ton of freight carried.....	\$1 95
Average amount <i>per mile</i> received for each ton of freight carried.....	2 cents.

TONNAGE OF ARTICLES TRANSPORTED.

No classified record of tonnage kept.

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$261,432 69
From transportation of freight:	
Through	\$110,189 61
Local	<u>357,987 72</u>
Total.....	468,177 33
From mail	17,599 92
From express	26,856 03
From all other sources (except increase of capital stock), including rents, etc.	<u>26,635 94</u>
Total earnings for the year.....	\$800,701 91

OPERATING EXPENSES.

For maintenance of way and structures	\$125,046 35
For maintenance of cars	42,132 74
For motive power.....	156,966 26
For conducting transportation	<u>119,940 66</u>

58—EX. DOC. PT. I.

General expenses, as follows:

Taxes—State taxes	\$23,111 78
National taxes	2,080 82
Interest on floating debt	3,094 58
Other general expenses	52,539 55
Total general expenses	80,826 73
Total operating expenses (being 65½ per cent. of earnings)	524,912 74
Net earnings	\$275,789 17

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 171 miles.]

Amount of earnings per mile	\$4,682 46
Amount of operating expenses per mile	3,069 66
Amount of net earnings per mile	1,612 80

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds	\$158,923 51
Tax on same (the above includes the internal revenue tax retained on payments of the previous year, amounting to \$4,396.02. A tax on interest maturing between January 1 and July 1, 1871, amounting to \$2,098.63, was not paid until after June 30, 1871, nor included above.)	
Dividends on preferred stock, rate per cent. 6; amount	26,157 50
Tax on same (previous year's tax paid and included above \$610.84, unpaid tax \$271.71, not included.)	
Applied to sinking fund	21,137 81
Construction of new work	13,917 01
Additional equipment	17,487 11
Additional real estate	1,300 00
Total payments in addition to operating expenses	\$238,922 94
Amount per mile of road, (171 miles)	1,397 21

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871.

11 horses	\$978 00
5 colts	265 00
13 cows	407 50
12 steers and heifers	287 00
44 sheep	85 00
3 hogs	18 00
2 mules	250 00
90 Total	\$2,290 50

ACCIDENTS TO PERSONS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year:

October 19, 1870. One employe killed, (cause beyond his own control). — Sheffler, engineer; track was blocked with railroad tie near Whartonsburgh, and engine turned over on him.

October 19, 1870. One employe killed, (same accident as preceding). — Sheffler, fireman; track near Whartonsburgh blocked with railroad tie; engine turned over on him.

May 1, 1871. One employe killed, (want of caution). Phil. Ross, while coupling cars drawn by horses.

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road and on what terms as to rates, use of track machinery, repairs of cars, etc.?

Answered fully in previous report [1870].

[United States Express Company. Contract: \$60 per day, with privilege to carry both ways 10,000 pounds per day, through and way. All over 10,000 pounds is charged: for through excess, 65c per 100 pounds; for local excess, 40c per 100 pounds.]

No transportation companies run on this road.

SLEEPING CARS.

Do you run sleeping cars on your road, and if so, by whom are they owned, and on what terms are they run?

Yes; owned by company.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

Berth \$1.00. Section \$2.00.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation, and to what classes of persons besides officers and employes of the company is free transportation granted?

It is not granted to any one.*

Do you keep any record of free transportation on your road, and can you state the amount in dollars it would have yielded, during the year, had regular fare or rates been charged?

Cannot answer—no record kept.

* This question, applying to transportation of persons, has evidently been understood by the company as applying to transportation of property, etc.—[COMMISSIONER.]

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
John S. Farlow.....	Boston, Mass.
Nathaniel W. Pierce	" "
Geo. C. Lord.....	" "
Elisha C. Litchfield.....	New York City.
Rush R. Sloane	Sandusky, Ohio.
Wm. G. Lane.....	" "
Geo. J. Anderson.....	" "
J. D. Chamberlain	" "
Wm. Wilshire	Cincinnati, Ohio.
Rush R. Sloane, Pres't and Gen'l Sup't	Sandusky, Ohio.
L. P. Wheelock, Secretary and Treasurer.....	" "
J. C. Buxton, Asst. Sup't and Gen'l Freight Agent	" "
H. M. Bronson, Gen'l Ticket Agent	" "
L. H. Lewis, Auditor.....	" "
John Y. Beattie, Master Mechanic	" "

[Report duly subscribed and sworn to by Rush R. Sloane, President, on the 6th day of October, 1871, before John L. Moore, Notary Public, in and for Erie county, Ohio.]

ANNUAL REPORT

OF THE

COLUMBUS, SPRINGFIELD AND CINCINNATI RAILROAD COMPANY,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

So much of the road of this company as is now in operation, extending from Springfield to Columbus, 20 miles, was formerly the Columbus and Springfield Railroad, purchased at judicial sale by Jacob W. Pierce, and subsequently transferred to this company.

It is leased and operated by the Cincinnati, Sandusky and Cleveland Railroad Company, from Springfield to London, Ohio, and when the road is completed into Columbus, the whole is to be operated under said lease. It is now being rapidly completed.

On 30th of June, the new line was graded from London to Georgesville, within 12 miles of Columbus. It is expected, without doubt, that the road will be in operation in the month of December, 1871.

The road will be 44 miles long, from Springfield to Columbus. Cannot give the amount of stock and bonds that will be issued upon the road, as yet.

The operations, for the year, are included with those of the Cincinnati, Sandusky and Cleveland Railroad, and no separate report has been made for this year, except the foregoing remarks as to condition of the road and names of officers, following.

The following cost of road and characteristics were taken from former reports :

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction	\$346,000 00
Cost per mile.....	17,300 00

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

Length of single main track laid with iron.....	20 miles.
Aggregate length of sidings and other tracks not above enumerated	1 "
Total length of iron embraced in preceding heads.....	21 miles.

BRIDGES.

Five wooden bridges, built in 1854, rebuilt, but do not know the date.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Rush R. Sloane	Sandusky, Ohio.
John S. Farlow	Boston, Mass.
Isaac D. Farnsworth	" "
J. C. Buxton	Springfield, Ohio.
George J. Anderson	Sandusky, "
E. E. Upp	" "
H. M. Bronson	" "
Rush R. Sloane, President	Sandusky, Ohio.
Geo. J. Anderson, Secretary and Treasurer	" "

[Report duly subscribed and sworn to by Rush R. Sloane, President, 26th October, 1871,
before J. L. Moore, Notary Public in and for Erie county, O.]

ANNUAL REPORT
OF THE
CLEVELAND, COLUMBUS, CINCINNATI AND
INDIANAPOLIS RAILWAY COMPANY,

For the year ending June 30, 1871.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$15,000,000 00
The amount of capital stock paid in (common).....	11,620,000 00
Amount of stock per mile of road (391 miles).....	29,718 67
Proportion of stock for Ohio, according to miles of road in the State, (307 miles).....	9,123,631 69

DEBTS.

The amount of funded debt, (giving classes,) as follows :

1st mortgage bonds, (due 1899)	\$2,045,000 00
2d mortgage bonds, (due at different periods).....	630,000 00
C. C. & C. mortgage bonds, (due \$25,000 each year)....	325,000 00
Total amount of funded debt.....	\$3,000,000 00
Amount of debt per mile of road, (391 miles).....	7,672 63
Proportion of debt for Ohio, according to miles of road in the State (307 miles).....	2,355,497 41
Total amount of stock and debt.....	14,620,000 00
Total amount of stock and debt per mile, (391 miles).....	37,391 30
Total amount of stock and debt for Ohio, (307 miles)	11,479,129 10

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871.....	\$12,957,974 87
Cost of road and equipment per mile, (391 miles).....	33,140 60
Proportion of cost of road and equipment for Ohio, according to miles of road in the State, (307 miles).....	10,174,164 90

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF ENTIRE LINE.

Total length of *entire* line and branches:

Main line	341 miles.
Branches.....	50 "
Total	391 "

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron.....	257 miles.
Length of double main track.....	18 "
Length of branches, (naming each branch) stating whether they have single or double track, as follows:	
Springfield branch—single track	50 "
Aggregate length of sidings and other tracks not above enumerated.....	48 "
Total length of iron embraced in preceding heads.....	373 "

How much of the road in Ohio is ballasted, and with what material:

All ballasted with gravel and stone.

How much of the road has been ballasted since June 30, 1870, and with what material:

About 25 miles re-ballasted with gravel.

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State?

Lake Erie Division of Baltimore & Ohio R. R.....	at Shelby.
Pittsburgh, Fort Wayne & Chicago	at Crestline.
Atlantic & Great Western	at Galion.
same	at Marion.
Cincinnati, Sandusky & Cleveland.....	at Bellefontaine.
Pittsburgh, Cincinnati & St. Louis (Col. & Indianapolis Div.).....	at Milford.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860?

A copy of the State law is printed on all time tables for the running of trains, and no exception is made to any part of the act.

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet :		
Number.....	23	
Aggregate length.....	2,389 feet.	
Number of iron bridges, and aggregate length in feet :		
Number.....	2	
Aggregate length.....	116 feet.	
Number of stone bridges, and aggregate length in feet :		
Number.....	8	
Aggregate length.....	730 feet.	
The greatest age of wooden bridges.....	14 years.	
The average age of wooden bridges.....	9 years.	

FENCING IN OHIO.

The length of road unfenced on either side [both sides,] and the reason therefor :
None.

Length of road fenced within the year (ending June 30, 1871), and cost per rod ?

Rebuilt 13½ miles post and board at \$1.50 per rod.

Rebuilt 11½ miles rail at 60 cts per rod.

Can you state what proportion of your line the land holder is obligated to fence.

About one-third.

EQUIPMENT.

Number of locomotives	91
Number of passenger cars.....	44
Number of express and baggage cars.....	19
Number of freight cars.....	1,827
Number of other cars.....	38
Total number of persons employed in operating the road in Ohio	1,913

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion.....	35
Average rate of same, including stops.....	30
The highest rate of speed allowed by mail and accommodation trains when in motion.....	27
Average rate of same, including stops.....	22
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same, including stops.....	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First class.	Second class.	Third class.
	Cents.	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried	3½	2½	1
Highest rate per mile for distances more than 5 and less than 15 miles	3½	2½	1
Highest rate per mile for distances more than 15 and less than 30 miles	3½	2½	1
Highest rate per mile for distances more than 30 and less than 50 miles	3½	2½	1
Highest rate per mile for distances more than 50 and less than 100 miles	3½	2½	1
Highest rate per mile for the whole length of the main road in Ohio	3½	2½	1
Highest rate per mile for <i>through</i> passengers, that is, those passing from and over the line to points on the lines of other companies or points beyond the State	3½	2½	1
General average rates, 2 95-100 cents, all classes.			

FREIGHT.

The rate per ton per mile charged for the various classes of fr't—through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried...	5½	3 7-10	3 7-10	3½	3
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	5½	3 7-10	3 7-10	3½	3
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	5½	3 7-10	3 7-10	3½	3
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	5½	3 7-10	3 7-10	3½	3
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	5½	3 7-10	3 7-10	3½	3
Highest rate per ton per mile for the whole length of the main road in Ohio	5½	3 7-10	3 7-10	3½	3
Highest rate per ton per mile for <i>through</i> freight, that is freight passing from and over the line to points on the lines of other companies or points beyond the State	5½	3 7-10	3 7-10	3½	3
Gen'l av. rates, on all classes, 1 589-1000c					

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within the State," passed April 26, 1871?

We are working in harmony with the act, as we understand it.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID, AND STEEL RAIL IN USE.

The length of new iron rail laid within the year.....	20 miles.
The length of re-rolled iron rail laid within the year.....	25 "
The length of spliced and mended iron rail laid within the year.....	28 "
How much steel rail have you, and how long laid ?	
Length	35 "
How long laid	1 to 6 years.

What is the relative durability and value of steel rails compared with iron, as used on your road ?

We have steel rails that have been laid six years, which have worn out four iron rails up to this time, on track of similar wear, and steel rails are yet perfect.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	707,676
The number of miles run by locomotives hauling freight trains.....	2,000,609
The number of miles run by locomotives hauling construction and other trains not named above.....	162,402
Total mileage of locomotives.....	2,870,687

CARS.

The number of miles run by passenger cars.....	2,359,279
The number of miles run by express and baggage cars.....	1,161,575
The number of miles run by freight, caboose and other cars	25,747,972
Total mileage of cars	29,268,826

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	523,291
Total miles traveled by passengers, or number of passengers carried one mile	26,967,227
Average number of miles traveled by each passenger carried	51.03
Average amount received from each passenger carried	\$1.50 8-10
Average amount <i>per mile</i> received from each passenger carried.....	2.95 cents.

FREIGHT.

The number of tons of through freight carried.....	584,102
The number of tons of local freight carried	437,666
Total number of tons, through and local, carried.....	1,021,768
Total number of tons of freight carried one mile	162,545,137
Average amount received for each ton of freight carried	\$2.53
Average amount <i>per mile</i> received for each ton of freight carried.....	1 589-1000

TONNAGE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.	Per cent.
Coal	19,370	1.90
Stone and lime.....	49,668	4.86
Lumber and other forest products.....	129,850	12.71
Animals	112,597	11.02
Grain	194,040	18.99
Flour	76,214	7.46
Merchandise and other articles.....	440,029	43.06
Total	1,021,768	100.00

FUEL CONSUMED.

Cords of wood consumed.....	90,000
Tons of coal consumed.....	4,500

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS

From transportation of passengers	{ Through.. \$364,259 60		
	{ Local 432,177 85	Total.....	\$796,437 45
From transportation of freight	{ Through .1,524,280 40		
	{ Local ....1,059,025 05	Total.....	2,583,305 45
From mail			61,993 00
From express			70,707 79
From all other sources (except increase of capital stock), including rents, etc.....			92,693 70
Total earnings for the year.....			\$3,606,137 39

OPERATING EXPENSES.

For maintenance of way and structures.....	\$649,179 75
For maintenance of cars.....	162,485 34
For motive power	183,459 34
For conducting transportation	1,276,604 42
General expenses, as follows:	
Taxes, State and National—	
State taxes. { Ohio	\$88,668 50
{ Indiana	14,497 44
National taxes.....	6,076 32
Other general expenses	65,527 37
Total general expenses.....	174,769 63
Total operating expenses (being 67 4-5 per cent. of earnings).....	\$2,446,498 48
Net earnings	\$1,158,638 91

AMOUNTS PER MILE OF ROAD AND PROPORTION FOR OHIO.

[Apportionments made on a basis of 391 miles for entire line, and 307 miles for Ohio.]

Amount of earnings per mile.....	\$9,220 30	Proportion for Ohio..	\$2,830,632 10
Amount of operating expenses per mile	6,257 03	Proportion for Ohio..	1,920,908 21
Amount of net earnings per mile	2,963 27	Proportion for Ohio..	909,723 89

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds.....	\$210,000 00
Tax on same (cannot give amount) .....	.....
Dividends on common stock (rate per cent. 7), amount	742,528 50
Tax on same	9,384 94
Construction of new work, additional equipment and real estate	797,044 87
Total payments in addition to operating expenses.....	1,758,958 31
Amount per mile of road (391 miles).....	4,498 61
Proportion for Ohio (307 miles).....	1,381,073 27

If the foregoing payments exceed the net earnings, as shown on the preceding page, state from what source the surplus was derived :

From the sale of assets belonging to the company.

ANIMALS KILLED IN OHIO.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871 :

140 Cows	_____
6 Calves	_____
87 Sheep.....	_____
77 Hogs	_____
48 Horses	_____
358 Total	\$7,174 34

ACCIDENTS TO PERSONS IN OHIO.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871 :

July 5, 1870. One person killed. Robert Long (deaf and dumb), struck by train in motion.

August 6, 1870. One person injured. Daniel Setchell, arm dislocated, attempting to drive across track in front of passenger train.

August 17, 1870. One person killed. Amelia Fragle, attempting to cross in front of passenger train in motion.

October 3, 1870. One employe killed, (cause beyond his own control). Cyrus Underwood, by locomotive running off track. Trackmen had rail out but no signal out.

October 3, 1870. One person killed. E. Singleton, boy, riding on front end of baggage car, without knowledge of conductor. Same train.

October 3, 1870. One person killed. I. Singleton, boy. Same facts as above.

October 25, 1870. One person injured. D. Hendley, arm crushed between freight cars while attempting to ride free.

November 23, 1870. One person killed. Ed. Smith, caught between two cars in motion in yard.

December 8, 1870. One person killed. Thomas Murphy, attempting to get on freight train in motion.

December 9, 1870. One person killed. Benj. Cleveland, attempting to pass between parts of train in motion.

January 1, 1871. One employe injured, (want of caution). Harvey Pitts, hand smashed; coupling cars; freight train.

January 11, 1871. One person killed. Arthur O. Malia, boy; playing about cars on track.

January 20, 1871. One employe killed, (want of caution.) Jacob Sutton, caught between cars; freight train.

January 21, 1871. One person killed. Isaac Thomas, found dead beside track; supposed to have been drunk and struck by freight train locomotive, in night.

January 23, 1871. One employe killed, (want of caution). John Casey, run over by freight train in night; walking on track.

January 24, 1871. One employe injured, (want of caution). Geo. Cost, lost arm; coupling cars; freight train.

February 11, 1871. One person killed. Henry Hoberman, boy; killed in climbing on freight train at station.

February 11, 1871. One person injured. Lizzie Newbrand, leg broken by train striking hack at road crossing.

February 15, 1871. One employe injured, (cause beyond his own control). Wm. Duter, conductor; train injured by collision with rear end of freight train.

February 27, 1871. One employe killed, (cause beyond his own control). B. F. Scott, brakeman; fell from freight train in motion.

March 25, 1871. One employe killed, (cause beyond his own control). Pat. Dallir, fell under train in motion.

May 9, 1871. One person injured. Netty Holley, (colored), attempted to get on passenger train in motion.

May 22, 1871. One person killed. Walter Fahnestock, boy; killed attempting to get on freight train in motion at station.

June 9, 1871. One person killed. Joseph Nugent, walking on track; supposed to be drunk.

June 27, 1871. One person killed. A. T. Durenbarger walking on track.

Total killed—

Employees	5
Others	13
	— 18

Total injured—

Employees	3
Others	4
	— 7

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

American Merchants' Union Express Company, United States Express Company.

Same as last year. [About double first-class rates.]

What freight or transportation companies run on your road and on what terms as to rates, use of track, machinery, repair of cars, etc.

Same as last year.

[Merchants' Dispatch, Empire Transportation Company, Union Star Line, White Line, Central Transit Company, and South Shore Line.]

SLEEPING CARS.

Do you run sleeping cars on your road; and if so, by whom are they owned, and on what terms are they run?

C. W. Doubleday's sleeping cars, Wagner Co. N. Y. C., sleeping cars, Sanderson Co. sleeping cars.

Railroad company maintain cars, except upholstering, bedding, etc.

What are the sleeping-car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

75 cents per berth between Cleveland and Columbus; \$1.00 per berth between Cleveland and Indianapolis; \$3.00 per section or state room.

FREE TRANSPORTATION.

Have no fixed rules governing the allowance of free transportation; or to what classes of persons, besides officers and employes of the company, free transportation is granted?

Do not keep any record of free transportation on the road; and can not state the amount in dollars it would have yielded, had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
L. M. Hubby	Cleveland, Ohio.
Oscar Townsend.....	"
H. B. Hurlburt	"
A. Stone, Jr	"
Selah Chamberlain.....	"
Geo. Worthington	"
T. Williamson	"
T. P. Handy.....	"
Wm. Collins	"
Horace F. Clark	New York.
Augustus Schell	"
John Miller.....	Columbus, Ohio.
John W. Burson	Muncie Indiana.
Oscar Townsend.....	President, Cleveland, Ohio.
H. B. Hurlburt.....	Vice-President, Cleveland, Ohio.
Geo. H. Russell.....	Secretary and Treasurer Cleveland, Ohio.
Alfred Ely	Auditor, Cleveland, Ohio.
E. S. Flint	General Superintendent, Cleveland, Ohio.
Frank Ford	Engineer, Cleveland, Ohio.
S. F. Pierson	General Ticket Agent, Cleveland, Ohio.
Lucien Hills	General Freight Agent, Cleveland, Ohio.

[Report duly subscribed and sworn to, by Oscar Townsend President, before F. Ford, Notary Public in and for Cuyahoga county, Ohio, on the 28th of August, 1871.]

ANNUAL REPORT

OF THE

CLEVELAND, MT. VERNON AND DELAWARE RAILROAD COMPANY,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO—IN PROCESS OF CONSTRUCTION.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$1,500,000 00
The amount of capital stock paid in (common).....	\$1,165,000 00
The amount of capital stock subscribed, but not yet paid....	225,000 00
Total amount of stock.....	1,390,000 00
Decrease of stock since June 30, 1870	\$110,000 00
Amount of stock per mile of road (132½ miles).....	10,490 56

DEBTS.

The amount of funded debt (giving classes) as follows :	
1st mortgage bonds (due Jan'y 1, A. D. 1900).....	\$1,500,000 00
Increase of funded debt since June 30, 1870	1,357,000 00
* Amount of debt per mile of road (132½ miles).....	11,320 75
Total amount of stock and debt	2,890,000 00
Total amount of stock and debt per mile (132½ miles).....	21,811 32
Total cost of entire road and equipment to this date, June 30, 1871, as represented by stock paid up, and proceeds of 1st mortgage bonds expended	1,641,501 45

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF ENTIRE LINE.

Length of single main track laid with iron	63½ miles.
Additional " " " during year	9 "
Length of branches (naming each branch), stating whether they have single or double track, as follows :	
Massillon (Massillon & Cleveland Railroad leased) Branch, single track..	12½ "
Aggregate length of sidings and other tracks not above enumerated	9 "
Total length of iron embraced in preceding heads.....	94½ "

* The Massillon Branch is not counted in this item, because it is a leased road, and not covered by the mortgage.

How much of the road is ballasted and with what material?

29 miles with stone and gravel—remainder, 50 miles, with earth.

How much of the road has been ballasted since June 30, 1870, and with what material?
10 miles with sand and gravel.

CROSSINGS.

What railroads cross or are crossed by your road, at grade?

Pittsburgh, Ft. Wayne & Chicago Railway, at Orrville.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the Act of March 24, 1860?

Yes—no exceptions.

BRIDGES AND TRETTLES.

Number of wooden bridges, and aggregate length in feet:

Number	17
Aggregate length	667 feet.

Number of stone bridges, and aggregate length in feet:

Number	1
Aggregate length	*140 feet.

Number of wooden trestles, and aggregate length in feet:

Number	3
Aggregate length	1,610 feet.

The greatest age of wooden bridges	11 years.
--	-----------

The average age of wooden bridges	8 "
---	-----

The greatest age of wooden trestles	8 "
---	-----

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor:

Probably 5 miles; amicable arrangement with landowners by the old C., Z. & C. Company, the precise terms of which we have not as yet been able to ascertain in all cases.

Length of road fenced within the past year (ending June 30, 1871), and cost per rod:

About 5 miles, at \$1.25 per rod.

Cannot state what proportion of line the land-holder is obligated to fence.

EQUIPMENT.

Number of locomotives	9
Number of passenger cars	6
Number of express and baggage cars	7
Number of freight cars	350
Total number of persons employed in operating the road	168

SPEED OF TRAINS.

Miles per hour.

The highest rate of speed allowed by express passenger trains when in motion	30
Average rate of same, including stops	25
The highest rate of speed allowed by mail and accommodation trains when in motion	15
Average rate of same, including stops	12
The highest rate of speed allowed by freight trains when in motion	15
Average rate of same, including stops	12

* Reported by C., Z. & C. R.—1400 ft. in error, 1870.

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile :

	First class.
Highest rate per mile for the shortest distance passengers are carried....	3 75-100 cents.
Highest rate per mile for distances more than 5 and less than 15 miles....	3 75-100 "
Highest rate per mile for distances more than 15 and less than 30 miles....	3 60-100 "
Highest rate per mile for distances more than 30 and less than 50 miles....	3 48-100 "
Highest rate per mile for distances more than 50 and less than 100 miles..	3 46-100 "
Highest rate per mile for the whole length of the main road	3 44-100 "
Highest rate per mile for through passengers, that is, those passing from and over the line to points on the lines of other companies, or points beyond the State	3 44-100 "
General average rates.....	3 50-100 "

FREIGHT.

The rate per ton per mile charged for the various classes of fr't, through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried..	40	40	35	35	12
Highest rate per ton per mile for distances of more than 5 and less than 15 miles.....	26 66-100	23 33-100	23 33-100	23 33-100	11 66-100
Highest rate per ton per mile for distances of more than 15 and less than 30 miles.....	14 44-100	13 12-100	11	9 44-100	4 72-100
Highest rate per ton per mile for distances of more than 30 and less than 50 miles.....	11 9-10	11 2-10	10	6	4 2-10
Highest rate per ton per mile for distances of more than 50 and less than 100 miles.....	9 23-100	8 33-100	7 7-10	4 4-10	3
Highest rate per ton per mile for the whole length of the main road....	9 23-100	8 33-100	7 7-10	4 4-10	3
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies or points beyond the State.....	9 23-100	8 33-100	7 7-10	4 4-10	3
General average rates.....	20 22-100	19 26-100	17 66-100	13 56-100	6 33-100

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

Expect to comply with the provisions of the act within the time limited therein.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID.

The length of new iron rail laid within the year.....	9½	miles.
The length of re-rolled iron rail laid within the year	3	"

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	57,000
The number of miles run by locomotives hauling freight trains	30,000
The number of miles run by locomotives hauling mixed trains	40,000
Total mileage of locomotives.....	127,000

CARS.

The number of miles run by passenger cars	130,000
The number of miles run by express and baggage cars	130,000
The number of miles run by freight cars	1,565,000
The number of miles run by caboose cars	35,000
The number of miles run by cars in construction and other trains not named above.....	80,000
Total mileage of cars	1,940,000

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	122,770
Total miles traveled by passengers, or number of passengers carried one mile	2,054,291
Average number of miles traveled by each passenger carried.....	16 73-100
Average amount received from each passenger carried.....	58 56-100 cts.
Average amount per mile received from each passenger carried	3 50-100 "

FREIGHT.

The number of tons of through freight carried	37,824
The number of tons of local freight carried	97,266
Total number of tons, through and local, carried	135,090
Total number of tons of freight carried one mile	2,382,110
Average amount received for each ton of freight carried.....	\$1 18
Average amount per mile received for each ton of freight carried	6 81-100 cts.

FUEL CONSUMED.

Cords of wood consumed.....	4,931
Tons of coal consumed.....	1,720

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$71,900 04
From transportation of freight	159,243 22
From mail	3,236 97
From express.....	9,390 00
From all other sources (except increase of capital stock), including rents, etc.	1,533 88
Total earnings for the year.....	\$245,304 1 ₁

OPERATING EXPENSES.

For maintenance of way and structures.....	\$46,226 04
For maintenance of cars	17,444 88
For motive power	44,273 21
For conducting transportation	25,547 98
General expenses, as follows :	
Taxes—	
State taxes	\$7,117 55
National taxes.....	469 04
Other general expenses.....	13,902 17
Total general expenses.....	21,488 76
Total operating expenses (being 63 1-5 per cent. of earnings)	\$154,960 87
Net earnings	\$90,323 24

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of *76½ miles.]

Amount of earnings per mile.....	\$3,217 10
Amount of operating expenses per mile.....	2,032 53
Amount of net earnings per mile	1,184 57

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871 :

2 Horses	\$50 00
1 Colt	62 00
9 Cows	190 00
12 Totals	\$302 00

ACCIDENTS TO PERSONS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871 :

October 18, 1870. One person, Wm. Zeigler, killed on track, at a curve about 2 miles north of Akron ; was struck by express train and killed instantly. He was very deaf, and not seen in time to prevent the accident.

November 7, 1870. One person, Jason H. Orr, was found dead and very much cut up, alongside of track at New Portage, supposed to have been run over by night train. He was seen the evening before very much intoxicated.

January 11, 1871. One person, George Schoop, (80 years of age and quite deaf,) walking on track as train was approaching, stepped off and walked outside of ties ; but just as the point of the pilot was passing stepped back on ties ; was struck by timber of engine and killed.

* Being the length of road in operation.

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

See former reports. No change. [Union Line, \$30 per day.]

No transportation companies run on this road.

SLEEPING CARS.

No sleeping cars run on this road.

FREE TRANSPORTATION.

Have no fixed rules governing the allowance of free transportation, or to what classes of persons besides officers and employes of the company free transportation is granted.

Keep no record of free transportation on our road, and cannot state the amount in dollars it would have yielded had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
Rollin C. Hurd	Mount Vernon, Ohio.
Samuel Israel	" "
Charles Cooper	" "
Mardenbro White	Gambier, "
Isaac M. Harpster	Millersburg, "
William M. Orr	Orrville, "
Thomas D. Messler	Pittsburgh, Pa.
Rollin C. Hurd, President	Mount Vernon, Ohio.
Joseph S. Davis, Secretary	" "
John D. Thompson, Treasurer	" "
E. Mize, Auditor	Akron, "
Goshorn A. Jones, Superintendent	" "
J. W. Holloway, Master Machinist	" "
Jno N. Lewis, Engineer	Mount Vernon, Ohio.

[Report duly subscribed and sworn to by R. C. Hurd, President, October 14, 1871, before A. R. McIntire, Notary Public in and for Knox county, Ohio.]

ANNUAL REPORT

OF THE

MASSILLON AND CLEVELAND RAILROAD COMPANY,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

[The road of this company is leased to the Pennsylvania Railroad Company, and sub-leased to the Cleveland, Mount Vernon and Delaware Railroad Company, for ninety-nine years, for 40 per cent. of the gross earnings, or \$20,000 annually, payable quarterly, and is now operated by that company as a branch of that road. The following report embraces only the stock, debts, cost of road, etc., rental received and payments therefrom, and names and residence of directors and officers. The characteristics of the road, and its operations for the year, are included in the report of the Cleveland, Mt. Vernon and Delaware Railroad Company.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$200,000 00
The amount of capital stock paid in (common)	\$192,255 00
The amount of capital stock subscribed, but not yet paid....	3,895 00
Total amount of stock	196,150 00
Amount of stock per mile of road subscribed (12½ miles).....	\$15,692 00

DEBTS.

The amount of funded debt (giving classes) as follows:	
1st mortgage bonds (due January 1, 1890).....	\$100,000 00
The amount of floating debt (that is, debt not secured by mortgage).....	32,337 57
Total amount of funded and floating debts.....	\$132,337 57
Amount of debt per mile of road (12½ miles).....	10,587 00
Total amount of stock and debt	328,487 57
Total amount of stock and debt per mile (12½ miles)	26,279 00

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction	\$283,403 26
Cost of right of way	28,568 62
Total cost of entire road and equipment to this date, June 30, 1871.	\$311,971 88
Cost of road and equipment per mile (12½ miles)	24,957 75

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF LINE.

Length of single main track laid with iron, [corrected from former reports]... 12½ miles.
Length of sidings..... 4 "

Total length of iron embraced in preceding heads..... 16½ "
[This, however, is included with C., Mt. V. & D. R. R.]

How much of the road is ballasted, and with what material ?

All, with gravel.

No part of the road has been ballasted since June 30, 1870.

CROSSINGS.

No railroads cross or are crossed by this road.

BRIDGES AND TRESTLES.

No bridges.

Number of wooden trestles, and aggregate length in feet :

Number..... 3
Aggregate length..... 1,600 feet.

FENCING.

The entire road is fenced on either [both sides].

No road fenced the past year (ending June 30, 1871).

All equipment is furnished by the C., Mt. V. & D. R. R. Co., who operate the road under lease.

RECEIPTS AND PAYMENTS.

Total amount received within the year on account of rent of road..... \$9,000 00
Total payments within the year, interest on bonds 7,761 79
Balance \$1,238 21

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Simon Perkins	Akron, Ohio.
G. W. Cass	Pittsburgh, Pa.
J. N. McCullough.....	Wellsville, Ohio.
Kent Jarvis	Massillon, "
Jno. G. Warwick	Massillon, "
Wm. Stewart.....	Pittsburgh, Pa.
M. A. Hanna	Cleveland, Ohio.

Simon Perkins, President Akron, Ohio.
F. M. Hutchinson, Sec'y and Treasurer Pittsburgh, Pa.

[Duly subscribed and sworn to by F. M. Hutchinson, Secretary, before Thomas M. Blair, Notary Public, in and for Allegheny Co., Pa., July 21, 1871.]

ANNUAL REPORT

OF THE

CLEVELAND AND PITTSBURGH RAILROAD COMPANY,

For the year ending June 30, 1871.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$7,839,300 00
The amount of capital stock paid in (common).....	7,839,300 00
Increase of stock since June 30, 1870	420,025 00
Amount of stock per mile of road, (199 miles).....	39,393 47
Proportion of stock for Ohio, according to miles, of road in the State, (184 miles)	7,248,398 48

DEBTS.

The amount of funded debt, (giving classes,) as follows :

2nd mortgage bonds, (due Sept. 1st, 1873).....	\$526,500 00
3rd mortgage bonds, (due May 1, 1875).....	1,265,500 00
4th mortgage bonds, (due Jan. 1, 1892)	1,096,000 00
Consolidated sinking fund, (due Nov. 1, 1900)	790,000 00
Total amount of funded debt.....	3,678,000 00
Decrease of funded debt since June 30, 1870.....	157,000 00
Amount of debt per mile of road, (199 miles)	18,482 41
Proportion of debt for Ohio, according to miles of road in the State, (184 miles).....	3,400,763 44
Total amount of stock and debt	11,517,300 00
Total amount of stock and debt per mile, (199 miles).....	57,875 88
Total amount of stock and debt for Ohio, (184 miles).....	10,649,161 92

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction	} \$8,913,131 45
Cost of right of way.....	}
Cost of equipment.....	2,519,732 8
All other items embraced in cost, not included in the preceding.....	144,925 10
Total cost of entire road and equipment to this date, June 30, 1871.	11,577,789 44
Cost of road and equipment per mile, (199 miles).....	58,179 85
Proportion of cost of road and equipment for Ohio, according to miles of road in the State, (184 miles).....	10,705,092 40

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF ENTIRE LINE.

	Miles.
Total length of <i>entire</i> line and branches :	
Main line and River Div	*192½
Branches.....	32½
Total	225½

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron.....	152
Length of double main track.....	2
Length of branches, (naming each branch) stating whether they have single or double track, as follows :	
Tuscarawas Branch.....	32½
Aggregate length of sidings and other tracks not above enumerated.....	38½
Private sidings	13
Total length of iron embraced in preceding heads	238½

How much of the road in Ohio is ballasted and with what material ?

All ballasted, with gravel and cinder.

How much of the road has been ballasted since June 30, 1870, and with what material ?
30 miles—twenty-eight miles with gravel and and two miles with cinder.

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State ?

Pittsburgh, Fort Wayne and Chicago Railway, at Alliance.

Atlantic and Great Western Railway, 3½ miles north of Ravenna Station.

Atlantic and Great Western Railway, Mahoning Branch, 1 mile north of Newburgh Station.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?

The act referred to is incorporated bodily in the company's book of "Rules and Regulations," without note or comment, for the advisement and government of all employes interested.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet :

Number.....	64
Aggregate length.....	5,080 feet.

Number of iron bridges and aggregate length in feet :

Number	2
Aggregate length	278 feet.

*Includes 26 miles leased from P. Ft. W. and C. E'y.

Number of stone bridges, and aggregate length in feet :

Number	34
Aggregate length	2,389 feet.
The greatest age of wooden bridges	10 yrs.
The average age of wooden bridges	4 yrs.

The number and kind of new bridges built within the year, (ending June 30, 1871,) and length in feet :

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built : date.
No. 67	Howe Truss	Wood	152	Nov. 23, 1870.
No. 55	"	"	163	March, 18, 1871.
No. 3	"	"	36	April 29, 1871.
No. 54	Linville & Piper pat	Iron	168	May 28, 1871.

FENCING IN OHIO.

The length of road unfenced on either side [both sides] and the reason therefor.

About forty miles of road, equal to eighty miles of fencing ; more than three-fourths of which is on the river division and Tuscarawas Branch, where the proximity of the bluffs and rivers make fencing impracticable. The balance is mainly through city and village corporations.

Length of road fenced within the year (ending June 30, 1871,) and cost per rod.

1,768 rods at \$2.25 per rod.

Cannot state what proportion of line the landholder is obligated to fence.

EQUIPMENT.

Number of locomotives	78
Number of passenger cars, 1st class 34, 2d class 6, total	40
Number of express and baggage cars	20
Number of freight cars	2,040
Number of other cars	50
Total number of persons employed in operating the road in Ohio	1,380

SPEED OF TRAINS.

Miles per hour.

The highest rate of speed allowed by express passenger trains when in motion	33
Average rate of same, including stops	28
The highest rate of speed allowed by mail and accommodation trains when in motion	26
Average rate of same, including stops	20
The highest rate of speed allowed by freight trains when in motion	15
Average rate of same including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile:

	First class.	
Highest rate per mile for the shortest distance passengers are carried (2 miles).....	5	cents.
Highest rate per mile for distances more than 5 and less than 15 miles	4	"
Highest rate per mile for distances more than 15 and less than 30 miles..	3½	"
Highest rate per mile for distances more than 30 and less than 50 miles..	3½	"
Highest rate per mile for distances more than 50 and less than 100 miles..	3½	"
Highest rate per mile for the whole length of the main road in Ohio.....	3½	"
Highest rate per mile for through passengers, that is, those passing from and over the line to points on the lines of other companies or points beyond the State	3½	"
General average rates.....	2 95-100 "	

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried*.....	160	120	100	100	80
Highest rate per ton per mile for distances of more than 5 and less than 15 miles ...	26	20	16	16	13
Highest rate per ton per mile for distances of more than 15 and less than 30 miles ..	16	10	8	8	7
Highest rate per ton per mile for distances of more than 30 and less than 50 miles ..	9	8	7	7	6
Highest rate per ton per mile for distances of more than 50 and less than 100 miles..	8	8	7	6	5
Highest rate per ton per mile for the whole length of the main road in Ohio.....	5	4	4	3	3
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies, or points beyond the State....	4	3	3	2	1 2-10
General average rates (all classes), 1 92-100c.					

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

Provisions of the act referred to have not been adopted. In the matter of transportation rates, this company is governed by the provisions of section 5 of an act passed March 11, 1845, entitled "an act to revive and amend the act entitled 'an act to incorporate the Cleveland & Pittsburgh Railroad Company,'" passed March 14, 1836, under which it was organized.

*This is for one mile. The same rate for 100 pounds is charged for any distance up to ten miles.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID.

The length of new iron rail laid within the year	15 7-10 miles.
The length of re-rolled iron rail laid within the year.....	51 3-10 "

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains	335,699
The number of miles run by locomotives hauling freight trains	923,766
The number of miles run by locomotives hauling mixed trains.....	
The number of miles run by locomotives hauling construction and other trains not named above	608,373
Total mileage of locomotives	1,867,833

CARS.

The number of miles run by passenger cars	1,679,600
The number of miles run by express and baggage cars	
The number of miles run by freight cars	14,599,587
The number of miles run by caboose cars	
The number of miles run by cars in construction and other trains not above named	1,344,920
Total mileage of cars	17,624,107

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	638,373
Total miles traveled by passengers, or number of passengers carried one mile	20,472,771
Average number of miles traveled by each passenger carried.....	32
Average amount received from each passenger carried.....	95 cents.
Average amount <i>per mile</i> received from each passenger carried	2 95-100 cents.

FREIGHT.

The number of tons of through freight carried	479,671
The number of tons of local freight carried	1,037,657
Total number of tons, through and local, carried.....	1,517,328
Total number of tons of freight carried one mile.....	117,485,599
Average amount received for each ton of freight carried.....	\$1 49
Average amount <i>per mile</i> received for each ton of freight carried	1 92-100 cents.

TONNAGE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.	Per cent.
Coal	719,452	47 4-10
Petroleum	28,456	1 9-10
Ores—iron and other	230,879	15 2-10
Pig iron	87,079	5 7-10
Other iron and castings, including railroad	106,898	7
Lumber and other forest products.....	76,102	5
Animals	23,924	1 6-10
Grain	16,131	1 1-10
Agricultural products, except grain	16,096	1 1-10
Flour.....	7,788	5-10
Manufactures	35,991	2 4-10
Merchandise and other articles	168,532	11 1-10
Total.....	1,517,328	100

FUEL CONSUMED.

Cords of wood consumed.....	9,313
Tons of coal consumed.....	34,469

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers...	{ Through.. \$170,405 21		
	{ Local 434,482 28	Total....	\$604,887 49
From transportation of freight	{ Through.. 1,061,594 03		
	{ Local 1,199,807 04	Total....	2,261,401 07
From mail			28,409 47
From express.....			62,469 87
From all other sources (except increase of capital stock), including rents, etc.			15,000 05
Total earnings for the year.....			2,972,167 95

OPERATING EXPENSES.

For maintenance of way and structures	\$440,854 64
For maintenance of cars.....	{ 566,526 31
For motive power	
For conducting transportation	360,245 11
General expenses, as follows:	
Taxes, State and National—	
State taxes. { Ohio.....	\$68,856 16
{ Pennsylvania	4,645 70
National taxes	4,505 28
Other general expenses	99,516 71
Total general expenses.....	177,523 85
Total operating expenses (being 52 per cent. of earnings).....	1,545,149 91
Net earnings.....	\$1,427,018 04

AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 225 miles for entire line, and 184 miles for Ohio.]

Amount of earnings per mile	\$13,209 63	Proportion for Ohio..	\$2,430,571 92
Amount of operating expenses per mile	6,867 33	Proportion for Ohio..	1,263,588 72
Amount of net earnings per mile	6,342 30	Proportion for Ohio..	1,166,983 20

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds	\$256,018 58
Tax on same	5,146 42
Dividends on common stock, rate per cent. 10; amount	754,332 49
Tax on same	9,780 80
Applied to sinking fund	30,207 00
Lease of other roads (giving the name of and amount paid for each):	
Pittsburgh, Fort Wayne and Chicago Railway	86,574 07
Construction of new work	92,383 52
Additional equipment	236,468 03
Additional real estate	10,050 00
Total payments in addition to operating expenses	\$1,480,960 91
Amount per mile of road (199 miles)	7,442 01
Proportion for Ohio (184 miles)	1,369,329 84

If the foregoing payments exceed the net earnings, as shown on the preceding page, state from what source the surplus was derived:

From sale of bonds.

ANIMALS KILLED (IN OHIO).

The number and kind of farm animals killed, and amount of damages paid therefor, within the year ending June 30, 1871.

17 horses	_____
1 colt	_____
1 jackass	_____
1 jenny	_____
59 cows	_____
7 calves	_____
65 sheep	_____
23 hogs	_____
1 dog	_____
175 Total	\$3,685 50

ACCIDENTS TO PERSONS (IN OHIO).

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871.

July 8, 1870. One person killed. A man, named Landon, stealing a ride, jumped from train while in motion, at Cleveland, and was killed.

July 14, 1870. One employe injured (want of caution). J. A. Former lost finger coupling cars at Wellsville.

July 14, 1870. One employe killed (want of caution). John George, brakeman, in attempting to get on way car while in motion, at Rootstown.

July 18, 1870. One employe injured (want of caution). James Fletcher, brakeman, two fingers injured, coupling cars at Salineville.

July 26, 1870. One person injured. A man sitting on the end of a tie asleep, near Bellair, was struck by coach step, and head cut.

August 5, 1870. One person injured. The son of the switchman, named Anderson, at Hanover, fell from car while in motion and lost one leg.

August 15, 1870. One employe injured (want of caution). Wm. Hatch, leg broken in jumping off from cars while in motion.

August 16, 1870. One person injured. A boy, named Clifford, had foot cut off in attempting to jump on train at Mahoning crossing, near Newburgh.

August 23, 1870. One employe injured (want of caution). Albert Michaels, hand smashed, coupling cars at Alliance.

August 26, 1870. One person, Jacob McLean, killed, walking on track, near Alliance; struck by engine.

October 12, 1870. One employe injured (want of caution). — Chandler, brakeman, lost thumb coupling cars at Alliance.

October 17, 1870. One employe injured (cause beyond his own control). Michael Moran, arm hurt by train running off switch at Wellesville.

October 22, 1870. One person injured. Patrick Hogan, lying near track at Cleveland yard, was injured by trains backing in.

October 22, 1870. One employe injured (cause beyond his own control). Geo. Guthrie fell while coupling cars at Cleveland, and was dragged some distance by brake beam of car; no bones broken.

October 22, 1870. One person killed. Oliver Cope, run over at Hartford Switch, near Salineville.

November 7, 1870. One employe injured (want of caution). B. Burns, brakeman, hand smashed coupling cars, at Newburgh.

November 7, 1870. One employe injured (want of caution). F. Crisp, brakeman, fell in attempting to get on train while in motion in Cleveland yard and was injured; three fingers and part of hand amputated.

November 11, 1870. One passenger injured (want of caution). J. Snyder, broke ankle in getting from train at Bridgeport.

November 29, 1870. One person injured. A man attempted to jump on freight train while in motion at Bedford; leg injured.

January 4, 1871. One person killed. A man, named Doyle, was knocked from a coal car, while unloading, by cars being backed against it, in Cleveland yard. He died next day.

January 27, 1871. One employe injured (cause beyond his own control). J. McDonald, brakeman, fell from train between Martinsville and Bridgeport.

February 14, 1871. One employe injured (want of caution). Joseph Williamson, brakemen, end of finger taken off while coupling at Cleveland.

February 28, 1871. One employe injured, at Cleveland, (want of caution). A. Daul, brakeman, caught between two cars; thigh broken.

March 20, 1871. One employe injured, at Cleveland, (want of caution). Thomas Parker, brakeman, caught between cars, arm crushed.

March 25, 1871. One employe injured (cause beyond his own control). E. Martin, brakeman, arm crushed coupling cars at Newburgh.

March 27, 1871. One employe injured (want of caution). John Fither, brakeman, lost right thumb pulling pin at McCoy's.

March 27, 1871. One employe injured (cause beyond his own control). O. Chapman, brakeman, fell from train at Moultrie.

April 1, 1871. One employe killed (want of caution). Frank Gallagher, caught between cars at Bedford and crushed so that he died in a short time, attempting to couple.

April 4, 1871. One employe injured (want of caution). Wm. Hover, brakeman, broke bone of foot jumping from cars at Hudson.

April 14, 1871. One person killed. Chas. Miks attempted to jump on engine, at Cleveland, while in motion, fell and was killed.

May 18, 1871. One person killed, at Cleveland. Thomas Durkin, run over.

May 20, 1871. One employe killed (cause beyond his own control). C. Kelly, fireman, in collision at Hanover.

May 26, 1871. One person killed, in Cleveland yard. William McIntosh, run over by train.

June 6, 1871. One employe injured, at Cleveland, (want of caution). M. Kennedy, brakeman, finger crushed coupling; amputated.

June 17, 1871. One employe injured (want of caution). B. Gallagher, brakeman, arm bruised coupling cars at Salineville.

Total killed—

Employees	3
Others	7—10

Total injured—

Passengers	1
Employees	19
Others	5—25

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

Union Express Company, on same terms as previously reported [\$30,000, per annum, accommodations on regular passenger trains furnished] up to June 1st, 1871. Since then at \$50,000 per annum.

No transportation companies run on this road.

SLEEPING CARS.

No sleeping cars run on this road.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

Free transportation is governed by the usual rules observed in exchange of courtesies between railroads, and is granted to officers and employes of other roads besides those of this company, under these rules.

All other free transportation is a discretion, and is granted or withheld as circumstances may indicate, without reference to class or condition.

Do you keep any record of free transportation on your road; and can you state the amount in dollars it would have yielded, during the year, had regular fare or rates been charged?

All annual passes issued are duly registered, but keep no record as to value of such transportation

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
J. N. McCullough.....	Wellsville, Ohio.
G. W. Cass	Pittsburgh, Pa.
J. H. Devereux.....	Cleveland, Ohio.
R. F. Smith.....	" "
Jay Gould	New York.
James Fisk, jr.....	"
Wm. M. Tweed.....	"
Peter B. Sweeny.....	"
L. D. Rucker.....	"
Hugh Smith.....	"
Henry Harley	"
Thomas A. Scott.....	Philadelphia, Pa.
J. N. McCullough, President.....	Wellsville, Ohio.
R. F. Smith, Vice President.....	Cleveland, "
Geo. A. Ingersoll, Secretary and Asst. Treasurer.....	Cleveland, "
Jay Gould, Treasurer.....	New York.
Geo. F. Bingham, Auditor.....	Cleveland, Ohio.
John Thomas, Superintendent.....	Wellsville, "
Isaiah Linton, Engineer.....	Ravenna, "
F. R. Myers, General Ticket Agent.....	Pittsburgh, Pa.
Wm. Stewart, General Freight Agent.....	Pittsburgh, Pa.

[Report duly subscribed and sworn to by R. F. Smith, Vice President, before G. F. Bingham, a Notary Public in and for Cuyahoga county, Ohio, August 31, 1871.]

ANNUAL REPORT

OF THE

COLUMBUS AND HOCKING VALLEY RAILROAD COMPANY.

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

EXPENDITURES FOR CONSTRUCTION OF ROAD.

Expenditures from the date of commencement of the road up to June 30, 1871, inclusive :

For grading and masonry	{ Branch.....	\$75,761 82	
	{ Main line.....	664,828 48	\$740,590 30
" Bridges	{ Branch.....	6,059 56	
	{ Main line.....	95,612 00	101,671 56
" Superstructures	{ Branch.....	6,801 04	
	{ Main line.....	93,861 05	100,662 09
" Iron rails, chairs and spikes	{ Branch.....	121,619 65	
	{ Main line.....	770,026 53	891,646 18
" Timber and ties	{ Branch.....	14,976 43	
	{ Main line.....	133,873 34	148,849 77
" Right of way	{ Main line.....	90,399 46	
	{ Branch.....	5,034 50	95,433 96
" Fencing	{ Main line.....	5,502 52	
	{ Branch.....	49 30	5,551 82
" Civil engineering	{ Main line.....	35,999 95	
	{ Branch.....	4,015 90	40,015 85
" Passenger and freight stations.....	Main line.....		17,325 08
" Engine and car houses	{ Main line.....	15,661 51	
	{ Branch.....	1,389 95	17,051 46
" Machine shops, machinery and fixtures.....			7,337 77
" Other buildings and fixtures			1,937 70
" Locomotives and fixtures		\$185,765 00	
" Passenger and baggage cars		47,412 99	
" Freight and other cars		253,786 39 — Equipment....	486,964 38
" Interest and discount.....			21,430 66
" " " on bonds.....			363,212 96

For Depot, shop and switch grounds	\$67,398 14
" Telegraph line	4,279 61
" C. S. & C. Transfer track	1,207 50
' Track scales	1,098 42
Other expenditures, including incidental expenses, furniture, station- ery, advertising and salaries.....	52,279 55
Total.....	<u>\$3,165,944 76</u>
Amount per mile of road (89 miles).....	35,572 41

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$1,500,000 00
The amount of capital stock paid in (common).....	866,852 25
The amount of capital stock subscribed, but not yet paid.....	69,847 75
Total amount of stock	<u>\$936,700 00</u>
Increase of stock since June 30, 1870.....	11,300 00
Amount of stock per mile of road (89 miles).....	10,524 72

DEBTS.

The amount of funded debt (giving classes), as follows :

1st Mortgage bonds (due October 1st, 1897—Main line)	\$1,500,000 00
1st Mortgage bonds (due July 1st, 1880—Branch)	300,000 00
Total amount of funded debt.....	<u>\$1,800,000 00</u>
Increase of funded debt since June 30, 1870.....	392,500 00
The amount of floating debt (that is, debt not secured by mortgage)	143,934 47
Increase of floating debt since June 30, 1870	51,897 59
Total amount of funded and floating debts.....	1,943,934 47
Increase of funded and floating debt since June 30, 1870	444,397 59
Amount of debt per mile of road (89 miles).....	21,841 96
Total amount of stock and debt.....	2,880,634 47
Total amount of stock and debt per mile (89 miles).....	32,366 67

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction (this includes only grading, bridges, superstructure, rails, timber and ties).....	\$1,983,419 90
Cost of right of way and fencing	100,985 78
Cost of equipment.....	486,964 38
All other items embraced in cost not included in the preceding	594,574 70
Total cost of entire road and equipment to this date, June 30, 1871.	<u>\$3,165,944 76</u>
Cost of road and equipment per mile (89 miles)	35,572 41

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF LINE.

Length of single main track laid with iron	* 76 miles.
Straitsville Branch (single track)	13 "
Aggregate length of sidings and other tracks not above enumerated	11 "
Total length of iron embraced in preceding heads	* 100 "

How much of the road is ballasted, and with what material?

All, with gravel and rock.

How much of the road has been ballasted since June 30, 1870, and with what material?

Thirty miles, with gravel and rock.

CROSSINGS.

What railroads cross or are crossed by your road, at grade?

Pittsburgh, Cincinnati and St. Louis (Little Miami Division), at Columbus.

" " " " (C. C. & I. C. Division), " " (spur track crossing).

Cincinnati and Muskingum Valley Railway, at Lancaster.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the Act of March 24, 1860?

Yes; make no exceptions.

BRIDGES AND TRETTLES.

Number of wooden bridges, and aggregate length in feet :

Number..... 23

Aggregate length..... 3,112 feet.

Number of wooden trestles, and aggregate length in feet :

Number..... 44

Aggregate length..... 5,034 feet.

The greatest age of wooden bridges 4 years.

The average age of wooden bridges..... 21-6 "

The greatest age of wooden trestles..... 4 "

The number and kind of new bridges built within the year, (ending June 30 1871,) and length in feet :

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built—date.
On Branch { B'ch Bridge				
No. 1.....	Girder	Wood	36	Aug., 1870.
Trestle	Single Bent.....	"	326	Aug., 1870.
Bridge and Trestle No. 2	Girder	"	80	Sept., 1870.
" " " No. 3	"	"	80	Sept., 1870.
" " " No. 4	"	"	129	Sept., 1870.
" " " No. 5	"	"	88	Sept., 1870.
" " " No. 6	"	"	194	Sept., 1870.

* A small portion of the track of the Columbus, Chicago & Ind. Central Railway in the city of Columbus is used by this company, and is included in the length here given.

FENCING.

The length of road unfenced on either side [both sides] and the reason therefor?
 About one-half, [100 miles of single fence,] for want of time.
 Length of road fenced within the year (ending June 30, 1871), and cost per rod?
 Cannot say, as we have a large number of contracts with farmers to do the fencing.
 Can you state what proportion of your line the landholder is obligated to fence?
 About one-third.

EQUIPMENT.

Number of locomotives	13
Number of passenger cars	9
Number of express and baggage cars	3
Number of freight cars	367
Number of other cars (caboose)	8
Total number of persons employed in operating the road	308

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	30
Average rate of same, including stops	20
The highest rate of speed allowed by mail and accommodation trains when in motion	30
Average rate of same, including stops	20
The highest rate of speed allowed by freight trains when in motion (coal trains 12 miles)	15
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile:

	First class.
Highest rate per mile for the shortest distance passengers are carried (2½ miles 15 cents)	6 cents.
Highest rate per mile for distances more than 5 and less than 15 miles....	4 "
Highest rate per mile for distances more than 15 and less than 30 miles...	3½ "
Highest rate per mile for distances more than 30 and less than 50 miles...	3½ "
Highest rate per mile for distances more than 50 and less than 100 miles .	3½ "
Highest rate per mile for the whole length of the main road	3½ "
Highest rate per mile for through passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State	3½ "
General average rates	3 5-6 "

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	17	15½	12½	5½
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	10	9½	8½	3½
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	9½	8½	6½	3
Highest rate per ton per mile for distances of more than 50 and less than 76 miles	7½	6½	5	2½
General average rates (on all classes) about 1½ cents.				

Coal 1½ cents per ton per mile for 4 months, and 1½ cents per ton per mile for 8 months, which, as the great majority of transportation done has been in coal, makes the general average rate, as above stated, about 1½ cents per ton per mile.

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

We have generally complied with this act.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID.

The length of new iron rail laid within the year 30 miles.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains	90,902
The number of miles run by locomotives hauling freight trains	211,323
The number of miles run by locomotives hauling mixed trains	1,400
The number of miles run by locomotives hauling construction and other trains not named above	1,200
Total mileage of locomotives	304,825

CARS.

The number of miles run by passenger cars	211,973
The number of miles run by express and baggage cars	95,595
The number of miles run by freight cars	2,877,986
The number of miles run by caboose cars	211,323
The number of miles run by cars in construction and other trains not named above (about)	10,000
Total mileage of cars	3,406,877

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	66,555
Average amount received from each passengers carried	85 cents.

FREIGHT.

Total number of tons, through and local freight.....	307,317
Average amount received for each ton of freight carried.....	\$1 13

TONNAGE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.	Per cent.
Coal	246,850	80½
Merchandise and other articles	60,467	19½
Total	307,317	100

FUEL CONSUMED.

Cords of wood consumed.....	A small amount for starting fires.
Tons of coal consumed.....	5,282

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers. {	Through..	\$13,009 07		
	Local....	100,514 85	Total....	\$113,523 92
From transportation of freight {	Through..	\$3,823 75		
	Local....	343,859 10	Total....	347,682 85
From mail and express.....				7,295 09
From all other sources, except increase of capital stock, including rents, etc.....				4,849 60
Total earnings for the year.....				\$473,351 46

OPERATING EXPENSES.

For maintenance of way and structures.....	\$48,009 18
For maintenance of cars	13,249 88
For motive power	25,968 09
For conducting transportation	90,466 57
General expenses as follows :	
Taxes—State	\$7,634 54
National	2,396 13
Interest on floating debt.....	13,658 57
Other general expenses.....	22,731 27
Total general expenses.....	46,420 51
Total operating expenses (being 47½ per cent. of earnings).....	224,114 23
Net earnings	\$249,237 23

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 89 miles.]

Amount of earnings per mile	\$5,318 56
Amount of operating expenses per mile	2,518 14
Amount of net earnings per mile	2,800 42

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds	\$75,282 26
Tax on same	4,120 41
Construction of new work	485,483 7
Additional equipment	155,937 3
• Additional real estate	31,644 1
Total payments in addition to operating expenses	\$752,467 9
Amount per mile of road (89 miles)	8,454 6

The excess of payments (in addition to operating expenses) was obtained from collections on account of stock subscriptions and sale of bonds.

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor within the year ending June 30, 1871 :

7 Horses	\$287 5
39 Head cattle	218 0
12 Pigs	37 5
58 Totals	\$543 00

ACCIDENTS TO PERSONS.

A statement of all casualties resulting in injuries to persons, and the extent and can thereof, within the year ending June 30, 1871 :

December 15, 1870. One employe injured (cause beyond his own control). Albin Price, conductor on construction train. Cars ran off track, and he jumped down embankment and broke his leg.

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc. ?

Adams Express Company. No permanent arrangement made.

No transportation companies run on this road.

SLEEPING CARS.

No sleeping cars run on this road.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation, and to what classes of persons besides officers and employes of the company is free transportation granted :

Passes are given only when an equivalent is received, except in cases of charity.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Benjamin E. Smith.....	Columbus, Ohio.
Wm. Dennison.....	" "
W. G. Deshler.....	" "
W. B. Brooks.....	" "
Theodore Comstock.....	" "
John L. Gill.....	" "
Isaac Eberly.....	" "
John Greenleaf.....	" "
C. P. L. Butler.....	" "
M. M. Greene.....	" "
John D. Martin.....	Lancaster, "
C. H. Rippey.....	Logan, "
S. W. Pickering.....	Athens, "
Benjamin E. Smith, President.....	Columbus, "
M. M. Greene, Vice President.....	" "
J. J. Janney, Secretary and Treasurer.....	" "
T. J. Janney, Auditor.....	" "
John W. Doherty, Superintendent.....	" "
W. H. Jennings, Engineer.....	" "
E. A. Buell, General Ticket Agent.....	" "

[Duly sworn to by M. M. Greene, Vice President, before John H. Dynes, Clerk to Commissioner of Railroads and Telegraphs, September 8, 1871.]

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

	Miles.
Length of single main track laid with iron	*31 780-1000
Aggregate length of sidings and other tracks not above enumerated	1 817-1000
Total length of iron embraced in preceding heads	33 597-1000

How much of the road has been ballasted since June 30, 1870, and with what material:
 Since June 30, 1870, but little ballasting has been done, but almost the entire line is ballasted with gravel.

CROSSINGS.

What railroads cross or are crossed by your road at grade?
 Pittsburgh, Cincinnati and St. Louis Ry., at Greenville.
 Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860?
 Publish rule to correspond with law regulating crossing railways in Ohio, upon time cards and in book of rules.

BRIDGES AND TRETTLES.

Number of wooden bridges, and aggregate length in feet:	
Number.....	1
Aggregate length.....	142 feet.
Number of wooden trestles and aggregate length in feet:	
Number.....	55
Aggregate length.....	1150 feet.
The greatest age of wooden bridges.....	8 years.
The average age of wooden bridges.....	5 years.
The average age of wooden trestles.....	3½ years.

FENCING.

The length of road unfenced on either side [both sides,] and the reason therefor:
 About 10 miles. Financial condition of this company prevents fencing only as fast as obliged by a very burdensome law.
 Length of road fenced within the year (ending June 30, 1871), and cost per rod:
 5 miles, with both wood and wire—average, \$1.35 per rod.
 Can you state what proportion of your line the land holder is obligated to fence.
 None whatever, under the existing law.

EQUIPMENT.

Number of locomotives	4
Number of passenger cars.....	4
Number of express and baggage cars.....	3
Number of freight cars.....	68
Number of other cars (hand).....	7
Total number of persons employed in operating the road.....	65

[* This company uses the track of the Dayton & Western Railroad from Dodson to Dayton, 15 miles, in addition.]

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion.....	28
Average rate of same, including stops.....	25
The highest rate of speed allowed by mail and accommodation trains when in motion.....	15
Average rate of same, including stops.....	12
The highest rate of speed allowed by freight trains when in motion.....	12
Average rate of same, including stops.....	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile :

	First Class.
Highest rate per mile for the shortest distance passengers are carried	20 cents.
Highest rate per mile for distances more than 5 and less than 15 miles	5 "
Highest rate per mile for distances more than 15 and less than 30 miles	4 "
Highest rate per mile for distances more than 30 and less than 50 miles	3½ "
Highest rate per mile for through passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State	37-10 cts.
General average rates	3½ cts.

FREIGHT.

The rate per ton per mile charged for the various classes of freight, through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried.....	28 4-7	25 5-7	22 6-7	17 1-7	14 2-7
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	28 4-7	20	16	10	10
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	17½	15	11½	10	8½
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	13½	11 7-8	10½	6½	4 11-16
Highest rate per ton per mile for the whole length of the main road	9 3-5	8	6 2-5	4 4-5	3 3-5
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies or points beyond the State	9 3-5	8	6 2-5	4 4-5	3 3-5
General average rates	19 11-14	16½	13 3-7	9 9-14	8 1-7

Have you adopted the provisions of the "act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

We have not, because this Short Line has no voice in making through rates, and we take the freight already fixed when we get it. To attempt to charge local on it, would cut it off entirely, and our own life with it, and to reduce the local tariff to correspond with the through rates, would be equally suicidal.

DOINGS OF THE YEAR ENDING JUNE 30, 1871.

IRON RAIL LAID.

The length of new iron rail laid within the year $\frac{1}{2}$ miles.

Mileage of Locomotives and Cars.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains	62,600
The number of miles run by locomotives hauling freight trains	31,300
The number of miles run by locomotives hauling construction and other trains not named above.....	11,000
Total mileage of locomotives.....	104,900

CARS.

Number of miles run by passenger cars	101,000
The number of miles run by express and baggage cars.....	62,600
The number of miles run by freight cars.....	270,946
The number of miles run by caboose cars	31,300
The number of miles run by cars in construction and other trains not named above.....	33,696
Total mileage of cars	499,542

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	69,285
Total miles traveled by passengers, or number of passengers carried one mile	1,829,786
Average number of miles traveled by each passenger carried	26 4-10
Average amount received from each passenger carried.....	*75 cts.
Average amount per mile received from each passenger carried	2 93-100

FREIGHT.

The number of tons of through freight carried.....	47,337
The number of tons of local freight carried.....	26,053
Total number of tons, through and local, carried.....	73,390
Total number of tons of freight carried one mile	2,975,600
Average amount received for each ton of freight carried	*81 64-100 cts.
Average amount per mile received for each ton of freight carried	2 cents.

* These amounts are correct, but not as given by company in report.

TONNAGE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.	Per cent.
Coal	415	.006
Stone and lime	349	.005
Railroad and pig iron	55	.001
Other iron and castings	91	.001
Lumber and other forest products	24,656	.336
Animals	2,603	.035
Grain	24,287	.331
Agricultural products, except grain	1,435	.019
Flour	392	.005
Provisions	414	.006
Manufactures	11,673	.159
Merchandise and other articles	7,020	.096
Total	73,390	1.000

FUEL CONSUMED.

Cords of wood consumed 4,466

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers -	{ Through.. \$16,988 12		
	{ Local..... 34,975 30	Total	\$51,963 42
From transportation of freight	{ Through.. 27,107 33		
	{ Local..... 32,708 41	Total	59,815 74
From mail			3,606 00
From express			1,640 04
From all other sources, except increase of capital stock, including rents, etc.			1,566 42
Total earnings for the year			\$118,585 62

OPERATING EXPENSES.

For maintenance of way and structures	\$22,169 12
For maintenance of cars	16,105 66
For motive power	27,690 38
For conducting transportation	15,870 55
General expenses, as follows:	
Taxes—State	\$3,251 62
National	867 99
Other general expenses, mail and contingent ..	9,633 34
Total general expenses	13,752 95
Total operating expenses (being 80 3-5 per cent. of earnings)	95,588 66
Net earnings	\$22,996 96

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 46 8-10 miles.]

Amount of earnings per mile.....	\$2,533 88
Amount of operating expenses per mile.....	2,042 49
Amount of net earnings per mile.....	491 39

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds.....	\$9,677 50
Tax on same	122 50
Lease of other roads (giving name of and amount paid for each):	
P., C. & St. L. R'y.....	\$10,000 00
C., H. & D. R. R	600 00
Depot and shops in Dayton	3,000 00
	<hr/> 13,600 00

Total payments in addition to operating expenses	\$23,400 00
Amount per mile of road (46 8-10 miles).....	500 00

If the foregoing payments exceed the net earnings, as shown on the preceding page, state from what source the surplus was derived:

From ensuing year's earnings.

ANIMALS KILLED.

The number and kind of farm animals killed, and amount of damages paid therefor, within the year ending June 30, 1871:

6 horses	\$322 50
2 cows	35 00
3 hogs	30 00
11 Totals	<hr/> \$387 50

This does not include any not paid for.

ACCIDENTS.

No accidents to persons within the year.

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road and on what terms as to rates, use of track, machinery, repair of cars, etc.

United States Express Company, at 25c per 100 lbs. all distances.

No transportation companies run on this road.

SLEEPING CARS.

No sleeping cars run on this road.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

No fixed rule, but issue free passes to large shippers at competing points, and in cases of charity. We issue one-half fare tickets to ministers of the Gospel actually located on our road.

Do you keep any record of free transportation on your road; and can you state the amount in dollars it would have yielded, during the year, had regular fare or rates been charged?

We keep no actual account, and are unable to answer questions.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
H. C. Stimson	New York.
Robt. Bayard	"
G. W. Rogers	Dayton.
James McDaniel	"
W. L. Darrow	"
J. H. Achey	"
David Studebaker	Greenville, Ohio.
J. R. Knox	" "
I. P. Gray	Union City, Indiana.
Robt. Bayard, President	New York.
James McDaniel, Vice President	Dayton.
J. R. Knox, Secretary	Greenville, Ohio.
J. H. Achey, Treasurer	Dayton.
W. Bomberger, Auditor, and General Ticket Agent	"
S. R. Stimson, Superintendent, and Master of Transportation.	"
A. L. McDaniel, General Freight Agent	"

[Duly subscribed and sworn to by S. R. Stimson, Superintendent, before J. P. Whitmore, Notary Public in and for Montgomery county, Ohio, September 12, 1871.]

ANNUAL REPORT

OF THE

IRON RAILROAD COMPANY,

For the year ending June 30, 1871.

ROAD ALL IN OHIO.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$500,000 00
The amount of capital stock paid in (common).....	129,550 00
Increase of stock since June 30, 1870 (by error).....	200 00
Amount of stock per mile of road (13 miles).....	9,965 39

DEBTS.

The amount of funded debt (giving classes) as follows :	
1st mortgage bonds (due 1st July, 1872)	\$32,000 00
The amount of floating debt (that is, debt not secured by mortgage).....	15,949 04
Decrease of floating debt since June 30, 1870.....	3,398 78
Total amount of funded and floating debts	47,949 04
Amount of debt per mile of road (13 miles)	3,688 39
Total amount of stock and debt	177,499 04
Total amount of stock and debt per mile (13 miles).....	13,653 78

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction.....	\$272,667 83
Cost of right of way	3,540 40
Cost of equipment	57,075 00
Total cost of entire road and equipment to this date, June 30, 1871 ..	\$333,283 23
Cost of road and equipment per mile (13 miles)	25,637 17

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF LINE.

Length of single main track laid with iron.....	13 miles.
Aggregate length of sidings and other tracks not above enumerated.....	1 mile.
Total length of iron embraced in preceding heads	14 miles.

61—EX. DOC. PT. I.

How much of the road is ballasted, and with what material ?

The entire line ; with mill ashes and furnace cinders.

How much of the road has been ballasted since June 30, 1870, and with what material ?

Re-ballasted about one mile.

CROSSINGS.

No crossings with other roads.

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet :

Number *16
Aggregate length 507 feet.

Number of iron bridges, and aggregate length in feet :

Number 1
Aggregate length 94 feet.

The greatest age of wooden bridges 1 year.

The average age of wooden bridges 11 months.

▲The number and kind of new bridges built within the year (ending June 30, 1871), and length in feet :

Bridge.	Kind.	Whether wood, stone or iron.	Length in in feet.	When built— date.
No. 5	V. Bridge	Wood	38	July 3, 1870.
" 10	"	"	40	" 9, "
" 6	"	"	30	" 16, "
" 3	"	"	40	" 23, "
" 4	"	"	35	" 30, "
" 7	"	"	29	August 6, 1870.
" 8	"	"	30	" 13, "
" 9	"	"	30	" 20, "
" 11	"	"	30	" 27, "
" 12	"	"	30	" 27, "
" 13	"	"	25	September 3, 1870
" 14	"	"	20	" 3, "
" 16	"	"	30	" 10, "
" 17	"	"	29	October 8, "
" 18	"	"	30	" 8, "
" 15	"	"	41	" 29, "

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor.

Twenty-six miles.

Can you state what proportion of your line the land holder is obligated to fence ?

Two miles.

EQUIPMENT.

Number of locomotives 3
Number of passenger cars 2
Number of express and baggage cars 1
Number of freight cars 147
Number of other cars 4
Total number of persons employed in operating the road 50

* The number of wooden bridges, as per report for June 30, 1870, was 17. Since that date all have been rebuilt, and one wooden bridge, within the corporate limits of Ironton, has been superseded by a stone culvert.

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	15
Average rate of same, including stops	12
The highest rate of speed allowed by freight trains when in motion.....	12
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First Class.	Sec'nd Class.	Third Class.
	Cents.	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried	5	4	2½
Highest rate per mile for distances more than 5 and less than 15 miles	4	3½	2

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First Class.	Sec'nd Class.	Third Class.	Fourth Class.	Fifth Class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried	40	30	20	16	15
Highest rate per ton per mile for distances of more than 5 and less than 15 miles.....	25	20	15	13	7

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within the State," passed April 26, 1871?

We have not. Having no connections with other roads, the provisions of the act would in no way affect us.

DOINGS OF THE YEAR ENDING JUNE 30, 1871.

IRON RAIL LAID.

The length of new iron rail laid within the year..... 1 mile

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling freight trains.....	8,300
The number of miles run by locomotives hauling mixed trains.....	16,380
The number of miles run by locomotives hauling construction and other trains not named above.....	2,200
Total mileage of locomotives.....	26,880

CARS.

The number of miles run by passenger cars.....	16,380
The number of miles run by freight cars.....	24,680
The number of miles run by cars in construction and other trains not named above.....	6,600
Total mileage of cars	47,660

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	29,646
Total miles traveled by passengers, or number of passengers carried one mile	246,198
Average number of miles traveled by each passenger carried	8
Average amount received from each passenger carried	33 cents.
Average amount <i>per mile</i> received from each passenger carried	4 cents.

FREIGHT.

The number of tons of through freight carried.....	26,568
The number of tons of local freight carried.....	99,593
Total number of tons, through and local carried	126,161
Total number of tons of freight carried one mile.....	1,042,535
Average amount received for each ton of freight carried.....	65 cents.
Average amount <i>per mile</i> received for each ton of freight carried.....	8 cents.

TONNAGE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.	Per cent.
Coal	72,849	58
Iron ore and limestone	13,198	10
Pig iron	32,152	26
Other iron and castings—mill cinder.....	1,561	1
Miscellaneous articles.....	6,401	5
Total	126,151	100

FUEL CONSUMED.

Tons of coal consumed.....	958
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EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$9,772 38
From transportation of freight	82,153 21
From all other sources, (except increase of capital stock), including rents, etc.	4,390 15
Total earnings for the year.....	\$96,315 74

OPERATING EXPENSES.

For maintenance of way and structures	\$36,661 48	
For maintenance of cars	10,754 17	
For motive power	6,220 86	
For conducting transportation	14,274 15	
General expenses, as follows:		
Taxes—State	\$2,069 68	
National	93 26	
Interest on floating debt	293 13	
Other general expenses	8,070 07	
Total general expenses	10,526 14	
Total operating expenses (being 81½ per cent. of earnings)		78,436 80
Net earnings		\$17,878 94

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 13 miles.]

Amount of earnings per mile	\$7,408 90
Amount of operating expenses per mile	6,033 60
Amount of net earnings per mile	1,375 30

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

Interest on bonds	\$2,184 00
Tax on same	56 00

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871:

2 hogs	
2 oxen	\$50 00
1 cow	25 00
1 calf	
1 heifer	
1 calf	5 00
1 cow	25 00
9 Total	\$105 00

ACCIDENTS TO PERSONS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year, ending June 30, 1871.

July 7, 1870. One employe injured (want of caution). James Lambert, jumped from train to make a running switch, at Etna Station.

July 27, 1870. One employe injured (want of caution). Thos. Clavinger, right hand mashed, in coupling, at Etna Station.

August 25, 1870. One employe injured (want of caution). William Hanson, left hand mashed in coupling cars, at Vesuvius Station.

September 7, 1870. One person injured. Hamilton Bridges was sitting on track, near Pine Grove Station, and was struck by engine. He was intoxicated at the time.

December 5, 1870. One employe injured (want of caution). Ambrose Brown was struck on back of head by cars, standing on Lawrence Mill Switch.

April 13, 1871. One employe injured (want of caution). Mike Kennedy, caught between cars while coupling, at Center Station.

May 23, 1871. One employe injured (want of caution). Samuel Clarke, left hand mashed and thumb cut off, in coupling cars, at Center Station.

June 30, 1871. One employe injured (want of caution). Patrick Finn, caught and mashed hand while coupling cars, at Center Station.

Total injured—

Employees	7
Others	1-8

EXPRESS AND TRANSPORTATION COMPANIES.

No express or transportation companies run on this road.

SLEEPING CARS.

No sleeping cars run on this road.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation ; and to what classes of persons besides officers and employes of the company is free transportation granted ?

No free transportation ; officers and employes are expected to pay transportation, same as other shippers.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
William D. Kelley	Ironton, Ohio.
John Peters	" "
Hiram Campbell.....	" "
John Ellison	" "
John Campbell	" "
Samuel W. Dempsey.....	" "
Cyrus Ellison.....	" "
Cyrus Ellison, President	" "
Samuel Richards, Secretary, General Ticket and Freight Agent.....	" "
George Willard, Treasurer	" "
James R. Martin, Superintendent.....	" "
L. W. Richards, Master of Transportation.....	" "

[Duly subscribed and sworn to by Cyrus Ellison, President, before Wm. Betts, Notary Public in and for Lawrence county, Ohio, August 15, 1871.]

ANNUAL REPORT

OF THE

JUNCTION (CINCINNATI AND INDIANAPOLIS) RAILROAD COMPANY.

For the year ending June 30, 1871.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$3,779,250 00
The amount of capital stock paid in.....	{ Common.....\$1,775,750 00
	{ Preferred 1,279,250 00
The amount of capital stock subscribed, but not yet paid....	94,159 00
 Total amount of stock.....	 3,149,159 00
Increase of stock since June 30, 1870, (correction of error in last report)..	16,924 00
Amount of stock per mile of road, (100 miles).....	31,491 59
Proportion of stock for Ohio, according to miles of road in the State, (20 miles).....	629,831 80

DEBTS.

The amount of funded debt, (giving classes,) as follows:

Real estate bonds	\$13,000 00
First mortgage bonds, (due January 1, 1885,).....	1,200,000 00
Second mortgage bonds, (due March 1, 1893,).....	798,000 00
Income bonds.....	35,000 00
First mortgage bonds C. & N. C.....	122,000 00
Old first mortgage bonds C. & I. J.....	3,000 00
 Total amount of funded debt.....	 \$2,171,000 00
Increase of funded debt since June 30, 1870, (correction of error last report)	119,000 00
The amount of floating debt, (that is, debt not secured by mortgage).....	962,776 00
Decrease of floating debt since June 30, 1870.....	80,022 41
Total amount of funded and floating debts	3,133,776 00
Increase of funded and floating debt since June 30, 1870.....	38,977 59
Amount of debt per mile of road, (100 miles).....	31,337 76
Proportion of debt for Ohio, according to miles of road in the State, (20 miles).....	626,755 20
Total amount of stock and debt.....	6,282,935 00
Total amount of stock and debt per mile, (100 miles).....	62,829 35
Total amount of stock and debt for Ohio, (20 miles).....	1,256,587 00

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction.....	\$4,121,476 69
Cost of right of way.....	53,431 94
Cost of equipment.....	489,672 02
<hr/>	
Total cost of entire road and equipment to this date, June 30, 1871.	\$4,664,580 65
Cost of road and equipment per mile, (100 miles).....	46,645 80
Proportion of cost of road and equipment for Ohio, according to miles of road in the State, (20 miles).....	932,916 00

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF ENTIRE LINE.

Total length of <i>entire</i> line (no branches).....	98.400 miles.
---	---------------

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron.....	19.500 miles.
Aggregate length of sidings and other tracks not above enumerated.....	1.207 "

Total length of iron embraced in preceding heads, (correction of error in last year's report)..... 20.707 "

How much of the road in Ohio is ballasted and with what material?

Mostly ballasted with gravel.

How much of the road has been ballasted since June 30, 1870, and with what material?

A considerable amount of gravel has been put on the road during the year.

CROSSINGS.

No railroads cross or are crossed by this road, at grade, within this State.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the Act of March 24, 1860?

Rules have been published.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet:

Number	3
Aggregate length.....	1,702 feet.

Number of stone bridges, and aggregate length in feet:

Number.....	1 Viaduct.
Aggregate length.....	700 feet.

Number of wooden trestles, and aggregate length in feet:

Number.....	2
Aggregate length.....	100 feet.

The greatest age of wooden bridges (repaired) 16 years.

The average age of wooden bridges (") 8 "

The greatest age of wooden trestles (") 13 "

No new bridges built within the year.

FENCING IN OHIO.

The length of road unfenced on either side [both sides] and the reason therefor?

About one half [20 miles] is unfenced.

No road fenced during the past year.

Cannot state what proportion of the line the landholder is obligated to fence.

EQUIPMENT.

Number of locomotives	15
Number of passenger cars	12
Number of express and baggage cars	7
Number of freight cars	234
Number of other cars	30
Total number of persons employed in operating the road in Ohio	63

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	40
Average rate of same, including stops	30
The highest rate of speed allowed by mail and accommodation trains when in motion	30
Average rate of same, including stops	20
The highest rate of speed allowed by freight trains when in motion	15
Average rate of same, including stops	8

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for Passengers, charged for the respective classes per mile:

	First Class.
Highest rate per mile for the shortest distance passengers are carried	5 cents.
Highest rate per mile for distances more than 5 and less than 15 miles	4.28 "
Highest rate per mile for distances more than 15 and less than 30 miles	3 4-5 "
Highest rate per mile for distances more than 30 and less than 50 miles	3 9-10 "
Highest rate per mile for distances more than 50 and less than 100 miles	3 4-5 "
Highest rate per mile for the whole length of the main road in Ohio	3 4-5 "
Highest rate per mile for <i>through</i> passengers, that is, those passing from and over the line to points on the lines of other companies, or points beyond the State	3 4-5 "
General average rates	4.24 "

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.
Highest rate per ton per mile for the shortest distance freight is carried	Cents. 28 4-7	Cents. 25 5-7	Cents. 20	Cents. 17 1-7
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	24	20	18	12
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	17 1-7	15	12	9
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	12	11	9	7
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	10	9	6½	5
Highest rate per ton per mile for the whole length of the main road in Ohio	15	12	10	8
Highest rate per ton per mile for <i>through</i> freight, that is, freight passing from and over the line to points on the lines of other companies, or points beyond the State	6	4½	3	2½
General average rates	16 1-7	14	11½	8 4-7

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871?

It has been adopted.

No iron rail laid within the year.

MILEAGE OF LOCOMOTIVES AND CARS—DOINGS IN TRANSPORTATION— TONNAGE OF ARTICLES TRANSPORTED.

The persons whose duty it was to compile the above statistics, having left the employ of the company before the 1st of July, we have no data from which to make them up.

FUEL CONSUMED.

Cords of wood consumed 2,200

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$115,065 06
From transportation of freight	154,923 37
From mail	4,950 00
From express	4,531 96
From all other sources (except increase of capital stock), including rents, etc.	19,839 06
Total earnings for the year	\$299,309 45

OPERATING EXPENSES.

For maintenance of way and structures	\$164,438 38
For maintenance of cars	29,380 71
For motive power	22,382 30
For conducting transportation	35,743 23

General expenses, as follows :

Taxes	{	State taxes: Ohio....	\$725 77
		Indiana.	3,932 72
		National taxes.....	<u>3,406 06</u>

Total general expenses 8,064 55

Total operating expenses [being 86½ per cent. of earnings] 260,009 17

Net earnings \$39,300 28

AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 100 miles for entire line, and 20 miles for Ohio.]

Amount of earnings per mile.....	\$2,993 09	Proportion for Ohio....	\$59,861 80
Amount of operating expenses per mile.	2,600 09	Proportion for Ohio....	52,001 80
Amount of net earnings per mile.....	393 00	Proportion for Ohio....	<u>7,860 00</u>

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds.....	\$2,450 00
Tax on same	61 25
Total payments, in addition to operating expenses	<u>\$2,511 25</u>

ANIMALS KILLED IN OHIO.

The number and kind of farm animals killed and amount of damages paid therefor within the year ending June 30, 1871 :

12 hogs	\$48 00
10 cows	79 18
2 horses	<u>70 00</u>
24 Totals.....	\$197 18

No accidents to persons in Ohio during the year.

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc. ?

United States Express Company. Pay \$14 per day for messenger and privilege of 1,000 pounds net. The excess over 1,000 pounds paid for at 33½ cents per 100 pounds.

No transportation companies run on this road.

SLEEPING CARS.

Do you run sleeping cars on your road ; and if so, by whom are they owned, and on what terms are they run ?

The Pullman Sleeping Car Company run sleeping cars over this road from Cincinnati to St. Louis and Omaha, they fixing their own rates in addition to regular fare.

What are the sleeping-car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates ?

The Sleeping Car Company charge as follows: For berth, \$2 per night; for section, \$4 per night; state room, \$6 per night.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

Have not. Free transportation is furnished to officers of other roads.

Keep no record of free transportation on this road; and cannot state the amount in dollars it would have yielded had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
James A. Frazer.....	Cincinnati, O.
C. J. Acton.....	"
J. W. Donahue.....	"
Wm. Woods.....	"
Lewis Worthington.....	"
J. M. Ridenour.....	Indianapolis, Ind.
A. H. Campbell.....	Liberty, Ind.
Jas. A. Frazer, President.....	Cincinnati, O.
J. Walter, Secretary and Treasurer.....	"
W. C. Tremain, Auditor.....	"
O. M. Shepherd, Master of Transportation.....	Indianapolis, Ind.
S. Stevenson, General Ticket Agent.....	Cincinnati, O.
J. S. Reid, General Freight Agent.....	"

[Report duly subscribed and sworn to by Jas. A. Frazer, President, November 9, 1871, before Edward P. Cranch, Notary Public in and for Hamilton county, O.]

ANNUAL REPORT

OF THE

LAKE ERIE AND LOUISVILLE RAILROAD COMPANY,

For the year ending June 30, 1871.

In March, 1862, the Fremont, Lima and Union Railroad Company made a mortgage to N. A. Cowdrey, Esq., of New York, on all their road, to secure bonds to the amount of \$500,000, on which interest remains due and unpaid since January, 1863.

In 1865, the Fremont, Lima and Union Railroad Company of Ohio, and the Lake Erie and Pacific Railroad Company of Indiana, were consolidated, in the name of the Lake Erie and Louisville Railroad Company.

In December, 1866, the Lake Erie and Louisville Railroad Company made a mortgage on that part of their road between Union City and Cambridge City, Indiana, to George T. M. Davis, Esq., of New York, to secure bonds to the amount of \$700,000, but only \$90,000 of said bonds have been negotiated. On fifty-eight of said bonds, interest remains due and unpaid since July 1, 1870, and in thirty-two thereof, since January 1, 1871.

On the 29th day of March, 1871, said trustees—N. A. Cowdrey and Geo. T. M. Davis—filed their joint bill to foreclose said mortgages, in the Circuit Court of the United States for the Northern District of Ohio, and soon thereafter filed their auxiliary bill in the Circuit Court of the United States for the District of Indiana, and afterwards on the 4th day of April, 1871, the Circuit Court of the United States for the Northern District of Ohio, appointed L. Q. Rawson, Receiver, which appointment was soon after made and ratified by the Circuit Court of the United States for the District of Indiana.

And on the 31st day of May, 1871, said complainants took a decree of foreclosure in said Court in Ohio, and on the 1st day of June, 1871, took their auxiliary decree in said Court in Indiana.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$6,000,000 00
The amount of capital stock paid in (common)	1,212,500 00
Amount of stock per mile of road, (74 miles) Ohio	10,000 00
Proportion of stock for Ohio, according to miles of road in the State, (74 miles) graded	740,000 00

DEBTS.

The amount of funded debt, (giving classes,) as follows :

First mortgage bonds.....	\$500,000 00
Amount of debt per mile of road, (37 miles) ironed.....	13,621 00
Proportion of debt for Ohio, according to miles of road in the State, (37 miles) ironed.....	500,000 00
Total amount of stock and debt	1,712,500 00
Total amount of stock and debt per mile, (74 miles) graded.....	23,621 00
Total amount of stock and debt for Ohio, (74 miles) graded	1,240,000 00

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871, as represented by stock and debt.....	1,712,500 00
Cost of road and equipment per mile, (74 miles) graded.....	23,621 00
Proportion of cost of road and equipment for Ohio, according to miles of road in the State, (74 miles) graded, of which 37 miles is ironed.....	1,275,910 00

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF ENTIRE LINE.

Total length of <i>entire</i> line [Road still under process of construction; as projected to extend from Fremont, Ohio, to Union City, and thence to Rushville, Indiana].....	175 miles.
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LENGTH OF LINE IN OHIO.

Length of single main track laid with iron.....	37 miles.
Aggregate length of sidings and other tracks not above enumerated.....	3 "

Total length of iron embraced in preceding heads.....	40 "
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How much of the road in Ohio is ballasted and with what material ?

Three miles, with gravel.

How much of the road has been ballasted since June 30, 1870, and with what material ?

One mile, with gravel.

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State ?

Lake Shore and Michigan Southern Railway, at Fremont.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?

Yes. We comply with that act.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet :

Number.....	1
Aggregate length.....	150 feet.

Number of wooden trestles, and aggregate length in feet :

Number.....	2
Aggregate length.....	90 feet.

The greatest age of wooden bridges.....	5 years.
The average age of wooden bridges.....	5 "
The greatest age of wooden trestles.....	6 "
No new bridges built within the year, ending June 30, 1871.	

FENCING IN OHIO.

The length of the road unfenced on either side, [both sides] and the reason therefor:
 Six miles on each side. Reason, lack of means.
 Length of road fenced during the past year (ending June 30, 1871,) and cost per rod:
 None, except some pieces fenced by owners of land.
 Cannot state what proportion of line the landholder is obligated to fence.

EQUIPMENT.

Number of locomotives.....	2
Number of passenger cars	2
Number of express and baggage cars.....	1
Number of freight cars.....	30
Number of other cars.....	5
Total number of persons employed in operating the road in Ohio.....	50

SPEED OF TRAINS.

	Miles per hour
The highest rate of speed allowed by express passenger trains when in motion..	20
Average rate of same, including stops.....	19
The highest rate of speed allowed by freight trains when in motion.....	18
Average rate of same, including stops.....	16

RATES OF TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile:

	First class.
Highest rate per mile for the shortest distance passengers are carried...	6 cents.
Highest rate per mile for distances more than 5 and less than 15 miles ..	6 "
Highest rate per mile for distances more than 15 and less than 30 miles .	4 "
Highest rate per mile for distances more than 30 and less than 50 miles..	4 "

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried.....	50	40	30	20
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	40	30	20	10
Highest rate per ton per mile for distances of more than 15 and less than 30 miles.....	14½	13	10½	7 1-5
Highest rate per ton per mile for the whole length of the main road in Ohio.....	9 1-5	8	6 14-15	4 4-5
General average rates.....	28	21	16½	10½

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

We have generally complied with this act, but there are some exceptions, because that our proportions of the established rates between Findlay and the east are less than local rates.

DOINGS OF THE YEAR ENDING JUNE 30.

No iron rail laid within the year.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	23,162
The number of miles run by locomotives hauling freight and mixed trains.....	23,162
The number of miles run by locomotives hauling construction and other trains not named above.....	1,440
Total mileage of locomotives.....	47,764

CARS.

The number of miles run by passenger cars.....	48,544
The number of miles run by express and baggage cars.....	48,544
The number of miles run by freight cars.....	192,341
The number of miles run by cars in construction and other trains not named above.....	6,320
Total mileage of cars.....	295,749

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	26,752
Total miles traveled by passengers, or number of passengers carried one mile.....	436,290
Average number of miles traveled by each passenger carried.....	18 1-8
Average amount received from each passenger carried.....	69 cents.
Average amount per mile received from each passenger carried.....	3½ "

FREIGHT.

The number of tons of local freight carried.....	27,519
Total number of tons of freight carried one mile.....	617,368
Average amount received for each ton of freight carried.....	\$1 32
Average amount per mile received for each ton of freight carried.....	5½ cents.

TONNAGE OF ARTICLES TRANSPORTED.

Keep no account.

FUEL CONSUMED.

Cords of wood consumed.....	3,377
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EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers.....	\$20,420 88
From transportation of freight.....	36,428 11
From mail.....	1,480 00
From express.....	1,685 98
From all other sources (except increase of capital stock) including rents, etc.....	1,009 84
Total earnings for the year.....	61,024 81

OPERATING EXPENSES.

For maintenance of way and structures.....	\$13,696 33
For maintenance of cars.....	3,393 84
For motive power.....	12,063 29
For conducting transportation.....	17,209 29
General expenses, as follows:	
Taxes—	
State	\$1,252 16
National	133 99
Total general expenses.....	1,386 15
Total operating expenses (being 78½ per cent. of earnings).....	47,748 90
Net earnings	\$13,275 91

AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 37 miles for Ohio.]

Amount of earnings per mile.....	\$1,649 32
Amount of operating expenses per mile.....	1,290 51
Amount of net earnings per mile	358 81

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Construction of new work.....	\$258 63
Additional equipment	3,600 79
Additional real estate.....	4,200 00
Legal expense	4,400 00
Total payments in addition to operating expenses.....	\$12,459 42
Amount per mile of road (37 miles) in Ohio.....	340 00

ANIMALS KILLED—(IN OHIO).

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871:

4 cows.....	\$68 50
2 yearlings	12 00
6 Total.....	\$80 50

EXPRESS AND TRANSPORTAION COMPANIES.

What express companies run on your road and on what terms as to rates, use of track, machinery, repair of cars, etc.?

Reported previously.

[United States Express Company. 30 cents per 100 pounds for 37 miles; 25 cents per 100 pounds for 22 miles; 15 cents per 100 pounds for 15 miles.]

No transportation companies run on this road.

62—EX. DOC PT. I.

SLEEPING CARS.

No sleeping cars run on this road.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

Yes. We exchange passes with officers of other railroad companies, and grant free passes to editors along the line of the road.

Keep no record of free transportation on this road; and cannot state the amount in dollars it would have yielded had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
L. Q. Rawson	Fremont, O.
James Moore	"
Jno. L. Greene, Senr.	"
C. W. Foster	Fostoria, O.
S. Carlin	Findlay, O.
D. J. Corey	"
Wm. H. Moore	Milton, Ind.
Wm. Ewing	Bluffton, O.
W. S. Ballenger	Cambridge City, Ind.
L. Q. Rawson, President and Superintendent	Fremont, O.
W. H. Andrews, Secretary, Treasurer, and General Ticket Agent..	"
I. H. Burgoon, Master of Transportation	"
M. W. Seibert, General Freight Agent	"

[Report duly subscribed and sworn to, August 30, 1871, by L. Q. Rawson, Receiver, before W. H. Andrews, Notary Public.]

ANNUAL REPORT

OF THE

LAKE SHORE AND MICHIGAN SOUTHERN RAILWAY COMPANY,

For the year ending June 30, 1871.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$50,000,000 00
The amount of capital stock paid in:	
Common	\$34,404,500 00
Guaranteed 10 per cent.	533,500 09
Total amount of stock	34,938,000 00
Amount of stock per mile of road (962 miles)	36,318 09
Proportion of stock for Ohio, according to miles of road in the State (319 miles)	11,585,470 71

DEBTS.

Total amount of funded debt (chiefly first and second mortgage bonds on different sections of the consolidated road)	\$24,524,000 00
Increase of funded debt since June 30, 1870	2,523,000 00
The amount of floating debt (that is, debt not secured by mortgage)	298,764 41
Decrease of floating debt since June 30, 1870	591,743 15
Total amount of funded and floating debts	\$24,822,764 41
Increase of funded and floating debts since June 30, 1870	1,931,256 85
Amount of debt per mile of road (962 miles)	25,803 29
Proportion of debt for Ohio according to miles of road in the State (319 miles)	8,231,249 51
Total amount of stock and debt	59,760,764 41
Total amount of stock and debt per mile (962 miles)	62,121 38
Total amount of stock and debt for Ohio (319 miles)	19,818,720 22

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871	\$54,808,621 45
Cost of road and equipment per mile (962 miles)	56,973 62
Proportion of cost of road and equipment for Ohio according to miles of road in the State (319 miles)	18,174,584 78

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF ENTIRE LINE.

Total length of entire line and branches :

Main line	540 miles.	
Branches	422 miles.	
Total		962 miles

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron	196 miles.
Length of double main track	17½ miles.
Length of branches (naming each branch), stating whether they have single or double track, as follows :	
Sandusky branch, single track	35 miles
Graytown branch, single track	15 "
Air Line branch, single track in Ohio	65 "
Detroit branch, single track	8 "

Total length of branches	123 miles.
Aggregate length of sidings and other tracks not above enumerated	93½ miles.

Total length of iron embraced in preceding heads..... 430 miles.

How much of the road in Ohio is ballasted, and with what material ?

The whole road is ballasted with gravel.

How much of the road has been ballasted since June 30, 1870, and with what material.

Cannot say. We keep two gravel trains busy, keeping up the road-bed to the highest standard.

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State ?

The Cincinnati, Sandusky & Cleveland, at Clyde, Ohio. The Baltimore & Ohio, (Lake Erie Division), at Monroeville, Ohio. The Lake Erie & Louisville, at Fremont, Ohio. The Toledo, Wabash & Western, at Toledo, Ohio.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?

All engines and trains are obliged to stop before crossing the track of any other railroad, at a point not exceeding five hundred (500) feet from the same.

Signals are established, day and night. Watchmen are maintained at all railroad crossings, and no engine or train is allowed to cross, until the signals at the crossing are seen to be right for it to cross.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet :

Number	33
Aggregate length	5,294 feet.

Number of iron bridges, and aggregate length in feet :

Number	10
Aggregate length	1,130 feet.

Number of stone bridges, and aggregate length in feet :

Number.....	11
Aggregate length.....	579 feet.

Number of wooden trestles, and aggregate length in feet :

Number.....	29
Aggregate length.....	2,474 feet.

The greatest age of wooden bridges..... 20 years.

The average age of wooden bridges..... 9 years.

The greatest age of wooden trestles..... 8 years.

The number and kind of new bridges built within the year ending June 30, 1871, and length in feet :

Bridge.	Kind.	Whether Wood, Stone, or Iron.	Length in feet.	When built—date.
Over Rattlesnake Creek, between Norwalk and Townsend	Truss-girder..	Iron	38	November, 1870.
Over La Chappel Creek, between Wakeman and Townsend	do ..	Iron	38	November, 1870.
Two miles east of Bryan, Ohio	Stone arch ...	Stone.....	45	A. D. 1871.
Two miles east of Archibald, Ohio	Iron-girder...	Iron	30	" "

FENCING IN OHIO.

The length of road unfenced on either side [both sides], and the reason therefor :
All fenced.

Length of road fenced within the past year, (ending June 30, 1871,) and cost per rod :
Constantly renewing. Cost about \$1.50 per rod.

Can you state what proportion of your line the land-holder is obligated to fence ?
About two-thirds.

EQUIPMENT.

Number of locomotives	299
Number of passenger cars	140
Number of express, baggage, postal and equipment cars.....	103
Number of freight cars	6,077
Number of other cars.....	4
Total number of persons employed in operating the road in Ohio, about..	3,500

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	45
Average rate of same, including stops	30
The highest rate of speed allowed by mail and accommodation trains when in motion	30
Average rate of same, including stops	25
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First class.	Second class.	Third class.
	Cents.	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried (20 cents for 3 miles)	6½	2 3-10	1
Highest rate per mile for distances more than 5 and less than 15 miles	5	2 3-10	1
Highest rate per mile for distances more than 15 and less than 30 miles	3 6-10	2 3-10	1
Highest rate per mile for distances more than 30 and less than 50 miles	3 6-10	2 3-10	1
Highest rate per mile for distances more than 50 and less than 100 miles	3½	2 3-10	1
Highest rate per mile for the whole length of the main road in Ohio	3 1-5	2 3-10	1
Highest rate per mile for <i>through</i> passengers, that is, those passing from and over the line to points on the lines of other companies or points beyond the State	3	2 3-10	1
General average rates, 2 57-100 cents, all classes.			

FREIGHT.

The rate per ton per mile charged for the various classes of freight, through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried	22	18	16	14
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	16	13	11	9
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	9	8	7	6
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	7	6	5	5
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	6	5	4	3½
Highest rate per ton per mile for the whole length of the main road in Ohio	5	3½	3	2 4-10
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies or points beyond the State	3 6-10	2 9-10	2 3-10	1 5-10
General average rates, on all classes, 1½ cents.				

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

The General Freight Agent has not seen the law referred to—knows nothing about it.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID AND STEEL RAIL IN USE.

The length of new rail laid within the year	69½	miles.
The length of re-rolled iron rail laid within the year.....	118½	"
The length of spliced and mended iron rail laid within the year	186	"
How much steel rail have you, and how long laid ?		
Length	46	"
How long laid.....	6 months to 3 years.	
What is the relative durability and value of steel rails compared with iron, as used on your road ?		
Steel rails have not been down long enough to give an opinion having any value.		
No steel rails worn out yet.		

MILEAGE OF LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains	2,389,293
The number of miles run by locomotives hauling freight trains	4,953,412
The number of miles run by locomotives hauling working trains.....	576,298
The number of miles run by locomotives switching.....	1,270,392
Total mileage of locomotives.....	9,189,395
Cannot give table of car mileage, as we do not keep any record of the mileage of our own cars.	

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	1,937,954
Total miles traveled by passengers, or number of passengers carried one mile	154,609,209
Average number of miles traveled by each passenger carried.....	79
Average amount received from each passenger carried	\$2 05
Average amount per mile received from each passenger carried	2 57-100 cts.

FREIGHT.

The number of tons of through freight carried	1,973,715
The number of tons of local freight carried	1,366,956
Total number of tons, through and local, carried	3,340,671
Total number of tons of freight carried one mile	623,320,907
Average amount received for each ton of freight carried.....	\$2 81
Average amount per mile received for each ton of freight carried	1½ cents.

TONNAGE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.	Per cent.
Coal	261,877	7.8
Stone and lime	101,413	3.0
Petroleum	276,610	8.3
Ores—iron and other	4,106	0.1
Railroad and pig iron	62,790	1.9
Other iron and castings	74,043	2.2
Lumber and other forest products	349,910	10.5
Animals	296,478	8.9
Grain	640,059	19.2
Agricultural products, except grain	162,959	4.9
Flour	254,232	7.6
Provisions	161,093	4.8
Manufactures	200,339	6.0
Merchandise and other articles	494,762	14.8
Total	3,340,671	100

FUEL CONSUMED.

Cords of wood consumed	223,701
Tons of coal consumed about	60,000

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS

From transportation of passengers	{ Through.. *\$346,876 02		
	{ Local 3,630,969 60	Total.....	\$3,977,845 62
From transportation of freight	{ Through .. 6,416,970 03		
	{ Local 2,975,933 05	Total.....	9,392,903 08
From mail			142,190 67
From express			274,492 17
From all other sources (except increase of capital stock), including rents, etc.....			360,056 91
Total earnings for the year.....			\$14,147,488 45

OPERATING EXPENSES.

For maintenance of way and structures.....	\$2,993,407 39
For maintenance of cars.....	772,804 58
For motive power	562,457 12
For conducting transportation	3,960,248 24
General expenses, as follows:	

Taxes—State:

Ohio	\$193,006 54
New York.....	
Pennsylvania.....	
Michigan.....	155,987 32
Indiana	
Illinois.....	

* Between Buffalo and Chicago.

National taxes	\$31,182 87
Interest on floating debt.....	131,370 12
Other general expenses	629,414 06

Total general expenses..... 1,140,960 91

Total operating expenses (being 66½ per cent. of earnings)... \$9,429,878 24

Net earnings \$4,717,610 21

AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 962 miles for entire line, and 319 miles for Ohio.]

Amount of earnings per mile	\$14,706 33	Proportion for Ohio..	\$4,691,319 27
Amount of operating expenses per mile	9,802 37	Proportion for Ohio..	3,126,956 03
Amount of net earnings per mile	4,903 96	Proportion for Ohio..	1,564,363 24

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds.....	\$1,555,016 17
Tax on same	39,913 24
Dividends on preferred stock, rate per cent., 10; amount.....	52,016 25
Tax on same	1,333 75
Dividends on common stock, rate per cent., 8; amount.....	2,752,360 00
Tax on same	68,809 00
Applied to sinking fund (\$200,000 bonds retired)	194,645 00
Lease of other roads (giving name of and amount paid for each):	
Erie & Kalamazoo—Toledo to Adrian	\$30,000 00
Kalamazoo, A. & G. Rapids—Kalamazoo to Grand Rapids	103,800 00
	133,800 00
Construction of new work	1,258,004 72
Additional equipment.....	752,364 49
Additional real estate.....	50,966 14
Advances to Jamestown & Franklin R. R. (construction)....	\$336,775 76
Less 40 per cent. earnings that road	86,139 64
	250,636 12
Total payments in addition to operating expenses.....	
	\$7,109,864 88
Amount per mile of road (962 miles).....	7,391 00
Proportion for Ohio (319 miles).....	2,357,729 00

If the foregoing payments exceed the net earnings, as shown above, state from what source the surplus was derived :

The amount of the disbursements in excess of the net earnings was derived from the increase of debt	\$1,931,256 85
Sale of sundry assets, chiefly land in Chicago	460,997 82

ANIMALS KILLED IN OHIO.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871 :

16 Horses (13 no claim)	\$205 00
69 Cows (58 on crossings, etc., no claim)	505 00
3 Colts (2 no claim)	30 00
8 Heifers (5 no claim)	70 00
9 Steer (8 no claim)	30 00
3 Calves (2 no claim)	7 00
2 Bulls (no claim) .....	.....
85 Sheep (33 no claim)	90 00
196 Total	\$937 00

ACCIDENTS TO PERSONS IN OHIO.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871 :

July 3, 1870. One person injured. John Burns (boy), foot crushed on track, at Elyria.

July 18, 1870. One employe killed (want of caution). A. K. Brisbane, Freight Conductor, fell from train, at Elmore.

July 18, 1870. One employe killed (want of caution). C. Knowles, killed at Cleveland.

July 29, 1870. One person killed. Unknown, walking on track, at Conneaut.

August 3, 1870. One person killed. C. Zimmerman (boy), fell from train, at Delta.

August 3, 1870. One person killed. E. Combs, team became unmanageable while crossing the track, at Wauseon.

August 11, 1870. One person unknown killed on drawbridge, at Toledo. Company exonerated by coroner's jury.

August 11, 1870. One passenger killed (want of caution). Michael Delmore (emigrant boy), attempting to get on a train while in motion.

August 23, 1870. One passenger killed (want of caution). James McGuire, by jumping from train, at Berea.

September 6, 1870. One person killed. James Whelpley (deaf and dumb), killed at Vermillion.

September 7, 1870. One employe killed (want of caution). G. N. Jager, Freight Conductor, crushed between cars, at Kipton.

September 20, 1870. One person injured. — White (intoxicated), struck and hurt on bridge, at Willoughby.

September 30, 1870. One person injured. Unknown, stealing ride on freight train, fell from top, and was seriously injured.

October 3, 1870. One employe injured (want of caution). V. H. Hoddick, Conductor, coupling cars, at Berea, lost a finger.

October 13, 1870. One employe injured (want of caution). W. T. Lowry, brakeman, leg crushed while coupling cars, at Berea.

October 12, 1870. One employe killed (want of caution). J. McCarty, brakeman, fell from his train, at Monroeville; neck broken.

October 20, 1870. One person injured. Moses Kibbler, team run into, at Wauseon. Not seriously hurt.

October 20, 1870. One employe killed (want of caution). Wm. Flood, Amherst, got toe near the track; struck by a passing train.

October 29, 1870. One person killed. E. Mitchell (intoxicated), tried to get on a train while in motion, at Bellevue.

November 8, 1870. One person killed on track. Chas. Young (deaf and dumb), at Cleveland.

November 8, 1870. One employe killed (want of caution). C. C. Coon, brakeman, killed by falling from his train, at Clyde.

November 11, 1870. One passenger injured, (want of caution). H. J. Howard, slightly injured by jumping from train at Toledo.

December 24, 1870. One employe injured, (want of caution). H. J. Galbrath, brakeman, seriously injured by falling between cars at Rockport.

January 10, 1871. One employe injured, (want of caution). Chas. Blanchard, brakeman, hand smashed while coupling cars at Norwalk.

February 1, 1871. One employe injured, (want of caution). W. Rowland, brakeman, hand crushed while coupling cars at Cleveland.

February 2, 1871. One employe injured, (want of caution). John Lillie, brakeman, arm crushed while coupling cars at Monroeville.

February 3, 1871. One employe injured, (want of caution). C. French, brakeman, leg smashed while coupling cars at Millbury.

February 10, 1871. One employe killed, (want of caution). F. R. Houk, brakeman, fell from his train at Monroeville; killed instantly.

February 12, 1871. One employe injured, (want of caution). J. Campbell, fireman, fell from his engine at Elyria; seriously injured.

March 5, 1871. One person killed. — Cotic, killed on track at Cleveland by engine backing over him.

March 7, 1871. One employe injured, (want of caution). John J. Pratt, brakeman, seriously injured by falling from train at Cleveland.

March 18, 1871. One employe injured, (want of caution). Wm. Smith, brakeman, fell from train between Oberlin and Kipton; seriously injured.

March 28, 1871. One employe injured, (want of caution). D. V. Stow, brakeman, arm smashed while coupling cars at Cleveland.

April 3, 1871. One employe injured, (want of caution). E. S. Spooner, brakeman, finger crushed while coupling cars at Fremont.

April 5, 1871. One passenger injured, (want of caution). H. R. Green, jumped from train at Berea and broke his leg.

April 5, 1871. One employe injured, (want of caution). D. M. Harvey, brakeman, thumb taken off while coupling cars at Norwalk.

April 11, 1871. One employe injured, (want of caution). N. Kent, conductor, thrown from top of car while setting a brake, and seriously injured, at Cleveland.

April 15, 1871. One person injured on track. A boy named Brady attempted to jump on a moving train at Norwalk; fell under the cars and lost a leg.

April 18, 1871. One employe injured, (want of caution). J. G. Parcher, yard master at Toledo; hand crushed while coupling cars.

May 4, 1871. One person killed on track. A. Kuback, boy, run over at Norwalk. The company exonerated by coroner's jury.

May 13, 1871. One employe injured, (want of caution). A. Wizner, brakeman, hit by a bridge at Rockport and knocked off his train.

May 24, 1871. One employe injured, (want of caution). H. Linsey, brakeman, finger cut while coupling cars at Berea.

June 4, 1871. One person killed. Edward Witch, boy, playing with brakes on cars standing on side track at Olmstead Falls; set cars in motion; jumped off; killed.

June 7, 1871. One person killed. B. Ernst, walking on track at Perry; struck by a train.

June 8, 1871. One employe killed, (want of caution). Geo. W. Jones, brakeman, fell between the cars, receiving injuries from which he died soon afterward.

June 11, 1871. One employe killed, (want of caution). Charles McKim, switchman, foot caught in a frog and was run over, at Toledo.

June 16, 1871. One employe injured, (want of caution). Lester Cone, brakeman, hand hurt in coupling cars at Berea.

Total killed—

Passengers	
Employees	9
Others	11
	— 22

Total injured—

Passengers	2
Employees	18
Others	5
	— 25

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road and on what terms as to rates, use of track, machinery, repair of cars, etc.

No change from last year's report.

[The American Merchants' Union Express Company, between Cleveland and Buffalo, pays \$198.40 per day for 24,000 pounds of freight west, and 8,000 pounds east. Excess, 62c. per 100 pounds, through, and 30c. per 100 pounds, way. The United States Express Company, between Cleveland and Chicago, pays \$312.50 per day for 20,000 pounds through freight; \$1.25 per 100 pounds for through excess; 60c. per 100 for way excess. Between Cleveland and Sandusky, \$15.00 per day for 5,000 pounds, and 30c. per 100 for excess. Between Cleveland and Dunkirk, 56c. per 100. Cleveland to Buffalo, 62c. per 100. Between Toledo and Detroit, 34c. per 100; messenger half-fare. Between Toledo and Monroe, 20c. per 100; messenger half-fare. Between Toledo and Tecumseh, 28c. per 100. Between Toledo and Manchester, 32c. per 100. Between Toledo and Napoleon, 37c. per 100. Between Toledo and Jackson, 41c. per 100; messenger half-fare. Between Kalamazoo and White Pigeon, 25c. per 100; messenger \$1.50 per day.]

What freight or transportation companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

Red Line, via N. Y. Central,	} Operated by the roads over which they run, each company furnishing its quota of cars.
White Line, " "	
South Shore Line, via Erie Railway,	
Globe Line, via Balt. & Ohio,	
Empire Line, on a commission, and the usual rate for car service	

SLEEPING CARS.

Do you run sleeping cars on your road; and if so, by whom are they owned, and on what terms are they run?

Yes, Gates & Wagner. They supply the cars, and have all the berth fares. They maintain the inside of the cars, and the railroad company maintain the outside and running gear.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

For a night, or any part thereof—Double berth.....	\$1 50
Section	3 00
State-room.....	5 00

For a night and the day following, double the above rates.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

We have no fixed rules; governed by competition and by circumstances.

We issue as few passes as possible, but the number is very large.

Do you keep any record of free transportation on your road; and can you state the amount in dollars it would have yielded, during the year, had regular fare or rates been charged?

We keep a record of trip-passes as they are taken up by conductors, but not the money value.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Horace F. Clark	New York, N. Y.
James H. Banker.....	" "
Augustus Schell.....	" "
Azariah Boody	" "
William Williams	Buffalo, "
Henry B. Payne	Cleveland, Ohio.
Amasa Stone, Jr.	" "
Stillman Witt.....	" "
William L. Scott	Erie, Pa.
Milton Courtright	" "
John A. Tracy.....	" "
Albert Keep.....	Chicago, Ill.
William D. Bishop.....	Bridgeport, Conn.
Horace F. Clark, President.....	New York, N. Y.
Augustus Schell, Vice President.....	" "
James H. Banker, Treasurer	" "
George B. Ely, Secretary and Assistant Treasurer	Cleveland, Ohio.
C. P. Leland, Auditor.....	" "
J. H. Devereux, General Manager	" "

Charles F. Hatch, General Superintendent.....	Cleveland, Ohio.
Addison Hills, General Freight Agent	" "
Charles M. Gray, Asst. Gen'l Freight Agent	Chicago, Ill
J. W. Cary, General Ticket Agent	Cleveland, Ohio.
Charles Collins, Chief Engineer, Lake Shore Div.....	" "
Charles Paine, Chief Engineer, Mich. South. "	Chicago, Ill.
James Sedgley, General Master Mechanic	Cleveland, Ohio.
John Kirby, Master Car Builder.....	" "
A. C. Armstrong, Purchasing Agent.....	" "

[Report duly subscribed and sworn to by J. H. Devereux, General Manager, 26th August, 1871, before N. Bartlett, Notary Public in and for Cuyahoga Co., O.]

ANNUAL REPORT

OF THE

MARIETTA AND CINCINNATI RAILROAD COMPANY,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$14,000,000 00
The amount of capital stock paid in—	
Common stock and scrip.....	\$1,388,992 69
Preferred “ “ “.....	12,591,087 67
Total amount of stock outstanding.....	13,980,080 36
Decrease of stock since June 30, 1870*.....	640,785 56
Amount of stock per mile of road (276 8-10 miles)	50,506 07

DEBTS.

The amount of funded debt (giving classes) as follows :

1st mortgage bonds (due August 1, 1891).....	\$3,500,000 00
2d mortgage bonds (due May 1, 1896).....	2,500,000 00
3d mortgage bonds (due January 1, 1900).....	2,000,000 00
S. & H. V. R. R. mortgage bonds due May 1, 1890	300,000 00
Mortgage bonds (scrip).....	4,447 25
Total amount of funded debt.....	\$8,304,447 25
Increase of funded debt since June 30, 1870.....	1,993,918 92
The amount of floating debt (that is, debt not secured by mortgage).....	1,681,772 98
Decrease of floating debt since June 30, 1870.....	3,795 39
Total amount of funded and floating debts.....	\$9,986,220 23
Increase of funded and floating debt since June 30, 1870.....	1,990,123 53
Amount of debt per mile of road (276 8-10 miles).....	36,077 38
Total amount of stock and debt	23,966,300 59
Total amount of stock and debt per mile (276 8-10 miles)	86,583 45

*Extract from annual report to stockholders for 1870: By the former reports of this company, the amount of outstanding or issued capital stock and scrip of all classes appeared to be \$14,630,865.92. Of this, 7,000 shares, equal to \$350,000, were held in trust for the Company to meet certain contingencies which have not arisen; and the occasion for the use of said stock having passed, the board of directors have ordered the certificates for said stock to be canceled and a corresponding reduction in the amount of capital stock to be made. It also appeared, on examination of the books, that \$306,887.41 of the common or deferred stock of this Company had not, in fact, been issued to parties entitled thereto, but remained with the Company, to be issued when called for. The board therefore ordered the capital stock account so as to show the true amount of outstanding stock, which is \$13,963,978.51.

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871.....	\$21,710,312 94
Cost of road and equipment per mile (276 8-10 miles).....	78,433 21

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

	Miles.
Length of single main track laid with iron.....	190 8-10
Length of branches, (naming each branch) stating whether they have single or double track, as follows:	
Portsmouth branch—single track.....	56 miles.
Hillsboro branch—single track.....	21 miles.
Union branch—single track.....	9 miles.
Total length of branches	86
Aggregate length of sidings and other tracks not above enumerated.....	43

Total length of iron embraced in preceding heads 319 8-10

How much of the road is ballasted and with what material?

Two hundred and twenty-nine and three-tenths miles ballasted. Material—rock, gravel, and furnace cinder.

How much of the road has been ballasted since June 30, 1870, and with what material? 28 miles not heretofore ballasted, and 21 miles partly ballasted prior to July, 1870; in all 49 miles, with rock, gravel and furnace cinder.

CROSSINGS.

What railroads cross or are crossed by your road, at grade?

Little Miami, Columbus and Xenia Railroad, at Loveland, Clermont county.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860?

The provisions of the act are published on the time card.

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet:

Number	53
Aggregate length.....	8,219 feet.

Number of iron bridges, and aggregate length in feet:

Number	3
Aggregate length.....	432 feet.

Number of stone bridges, and aggregate length in feet:

Number	22
Aggregate length.....	440 feet.

Number of wooden trestles, and aggregate length in feet :

Number	264
Aggregate length	31,185 feet.
The greatest age of wooden bridges	10 years.
The average age of wooden bridges	6 "
The greatest age of wooden trestles	6 "

The number and kind of new bridges built within the year ending June 30, 1871, and length in feet :

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built: date.
Ohio Canal	Fink Patent	Iron	106	October, 1870.
Sycamore Creek ...	"	"	122	December, 1870.
Lee's Creek	"	"	254	January, 1871.

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor :
 118½ miles not fenced on either side ; 33½ miles fenced on one side. Reason, inability to incur expense.

Length of road fenced within the past year (ending June 30, 1871), and cost per rod :
 Thirty miles of new fence was built, at a cost of \$1.75 per rod ; also, 3½ miles to replace fence destroyed by fire.

EQUIPMENT.

Number of locomotives	64
Number of passenger cars	26
Number of express and baggage cars	15
Number of freight cars	956
Number of other cars	57
Total number of persons employed in operating the road	2,071

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	35
Average rate of same, including stops	26
The highest rate of speed allowed by mail and accommodation trains when in motion	30
Average rate of same, including stops	20
The highest rate of speed allowed by freight trains when in motion	12
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First class.	Second class.	Third class.
	Cents.	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried—no fare less than	20	.....	.....
Highest rate per mile for distances more than 5 and less than 15 miles	5	.....	.....
Highest rate per mile for distances more than 15 and less than 30 miles	5	.....	.....
Highest rate per mile for distances more than 30 and less than 50 miles	4½	.....	.....
Highest rate per mile for distances more than 50 and less than 100 miles	4½	.....	.....
Highest rate per mile for the whole length of the main road.	3½	2½	.....
Highest rate per mile for through passengers, that is, those passing from and over the line to points on the lines of other companies, or points beyond the State	3	2½	1.15
General average rates 2½ cents.			

FREIGHT.

The rate per ton per mile charged for the various classes of freight, through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried	52	45	36	32
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	30	26	22	18
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	15	14	12	9
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	10	9	8	6
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	7	6	5	4
Highest rate per ton per mile for the whole length of the main road	2 1-6	2 1-6	2 1-6	1 1-5
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies or points beyond the State	4	2 9-10	2½	1 1-10
General average rates, 1 7-10 cents.				

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

The tariff sheets of the company are made to conform to the provisions of the act of April 26, 1871, but the act has not been accepted by the company as legally binding, because it is claimed to be in conflict with the charter of the company.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID.

The length of new iron rail laid within the year	67½	miles.
The length of re-rolled iron rail laid within the year	2	"
The length of spliced and mended iron rail laid within the year	2	"

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	681,000
The number of miles run by locomotives hauling freight trains	763,400
The number of miles run by locomotives hauling mixed trains	165,800
The number of miles run by locomotives hauling construction and other trains not named above.....	268,800
Total mileage of locomotives.....	1,879,000

CARS.

The number of miles run by passenger cars	1,213,571
The number of miles run by express and baggage cars	540,910
The number of miles run by freight cars	7,866,331
The number of miles run by cars in construction and other trains not named above.....	1,956,800
Total mileage of cars	11,577,612

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	354,917
Average amount received from each passenger carried.....	\$1 21

FREIGHT.

The number of tons of through freight carried	156,882
The number of tons of local freight carried	302,484
Total number of tons, through and local, carried.....	459,366
Average amount received for each ton of freight carried.....	\$2 29

TONNAGEE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.	Percent.
Coal	46,188	10 5-10
Stone and lime	17,740	3 8-10
Petroleum	15,053	3 2-10
Ores—iron	22,977	5
Pig iron	44,847	9 7-10
Lumber and other forest products.....	15,630	3 4-10
Animals	22,653	4 9-10
Grain.....	56,615	12 3-10
Agricultural products, except grain	2,240	4-10
Flour	31,806	6 9-10
Provisions	2,845	6-10
Manufactures..... }	180,772	39 3-10
Merchandise and other articles . }		
Total.....	459,366	100

FUEL CONSUMED.

Cords of wood consumed.....	5,704
Tons of coal consumed.....	51,400

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers...	{ Through.. \$94,713 48		
	{ Local 343,926 55	Total....	\$438,640 03
From transportation of freight	{ Through.. 261,589 28		
	{ Local 789,177 69	Total....	1,050,766 97
From mail			23,737 44
From express.....			38,984 04
From telegraph and all other sources (except increase of capital stock) including rents, etc			6,345 54
Total earnings for the year.....			\$1,558,474 02

OPERATING EXPENSES.

For maintenance of way and structures.....	\$507,966 28
For maintenance of cars	95,650 00
For motive power	385,402 15
For conducting transportation	311,124 61
For conducting telegraph	26,918 28
General expenses, as follows :	
Taxes—	
State taxes	\$64,516 45
National taxes.....	3,870 89
Rent of tracks.....	27,499 98
Rent of real estate and depot.....	36,466 39
N. Y. Transfer office expenses.....	2,000 00
Personal injuries	5,519 87
Interest on floating debt	102,325 60
Other general expenses.....	82,831 67
Total general expenses.....	325,030 85
Total operating expenses (being 106 per cent. of earnings)	\$1,652,092 17
Deficit (or excess of expenses over earnings)	\$93,618 15

AMOUNTS PER MILE OF ROAD.

[Apportionment made on a basis of 276 8-10 miles.]

Amount of earnings per mile.....	\$5,630 32
Amount of operating expenses per mile.....	5,968 54
Amount of deficit per mile.....	338 22

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds.....	\$522,772 37
Tax on same, \$10,672.14.	
Lease of other roads (giving name of and amount paid for each) :	
Cincinnati and Baltimore Railway.....	12,993 83
Construction of new work, new water and coal stations, new sidings etc.	54,149 37
Additional equipment	359,047 06
Fencing, ballasting, and permanent way.....	198,480 97
New iron bridges	99,187 03
New station buildings, new machine-shop and machinery.....	58,552 76
Total payments in addition to operating expenses.....	\$1,305,183 39
Amount per mile of road (276 8-10 miles)	4,715 26

If the foregoing payments exceed the net earnings, as shown on the preceding page, state from what source the surplus was derived :

From proceeds of third mortgage bonds.

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871 :

39 horses, mares and colts	_____
7 mules.....	_____
41 oxen and young cattle	_____
56 cows, heifers and calves.....	_____
50 hogs and pigs	_____
7 sheep and lambs	_____
200 Total.....	\$6,014 96

ACCIDENTS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871 :

July 6, 1870. One person injured. T. Ferney, lying on track intoxicated; head cut and arm broken.

July 11, 1870. One person killed (unknown). A little girl walking on track, near Brighton.

July 14, 1870. One employe injured (want of caution). John Shaw, jumping from train in motion near Zaleski.

August 1, 1870. One person killed. Henry Lutzer, walking on track.

September 7, 1870. One employe injured (want of caution). Robt. Mc Fall, coupling cars—arm torn off.

September 17, 1870. One passenger injured (cause beyond his own control). Unknown; slightly injured by breaking axle, near Portland.

November 15, 1870. One person killed. Henry Feldhaus, walking on track near Brighton.

November 21, 1870. One employe injured (want of caution). J. Cupp, coupling cars, lost right arm.

March 15, 1871. One person injured. A. Barleon, walking on track near Chillicothe; head cut.

March 21, 1871. One employe injured (want of caution). R. Calhoun, coupling cars; hand smashed.

March 29, 1871. One employe killed (want of caution). A. Burns, coupling cars at Portland.

April 19, 1871. One employe killed (cause beyond his own control). Wm. Stearns fell from freight train on Napin Curve, run over and killed; cause, heavy wind.

May 11, 1871. Two persons injured. Harris and boy, slightly injured; struck by mail train at crossing near Scioto bridge; did not look for train before going on track.

May 31, 1871. One person killed. Mary Matthews, 2 years old, struck by fast line; jaw broken; died.

June 1, 1871. One passenger injured (want of caution). Unknown. Jumped from train near Martinsville; head cut.

Total killed—

Employees	2
Others	4—6

Total injured—

Passengers	2
Employees	4
Others	4—10

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

Same as 1870. [Adams Express Company. Terms, one-half of gross receipts.]

No transportation companies run on the road.

SLEEPING CARS.

Do you run sleeping cars on your road; and if so, by whom are they owned, and on what terms are they run?

Pullman Palace Cars.

Owned by the Pullman Palace Car Company and the Baltimore and Ohio Railroad Company.

The charges made for use of these cars are governed by the Pullman Palace Car Company.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

Between Cincinnati and Parkersburg, 205 miles, the rates are for single berth, \$2; section, \$4; state-room, \$7.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
John King, Jr.....	Baltimore, Md.
John Hopkins.....	" "
Thos. Whitridge.....	" "
Allan A. Chapman.....	" "
John Donnell Smith.....	" "
Nathaniel Wright.....	Cincinnati, Ohio.
R. M. Bishop.....	" "
W. W. Scarborough.....	" "
James D. Lehmer.....	" "
Wm. T. McClintick.....	Chillicothe, "
John Madeira.....	" "
Wylie H. Oldham.....	Marietta, "
J. N. Camden.....	Parkersburg, West Va.
John King, Jr., President.....	Baltimore, Md.
Chas. F. Low, Secretary and Auditor.....	Cincinnati, Ohio.
Wylie H. Oldham, Treasurer.....	" "
Wm. E. Jones, Cashier.....	" "
W. W. Peabody, Master of Transportation.....	" "
John Waddle, Engineer.....	" "
John W. Pillsbury, General Ticket Agent.....	" "
Robt. M. Fraser, General Freight Agent.....	" "

[Report duly subscribed and sworn to by John King, Jr., President, before Wm. Bone, Justice of the Peace, of the State of Maryland, in and for the city of Baltimore, Sept. 1, 1871.]

ANNUAL REPORT

OF THE

NILES AND NEW LISBON RAILWAY COMPANY.

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$500,000 00
Total amount of stock.....	500,000 00
Amount of stock per mile of road (35 3-10 miles).....	14,164 30

DEBTS.

The amount of funded debt (giving classes) as follows :

1st mortgage bonds (due January 1, 1890).....	\$500,000 00
The amount of floating debt, (that is, debt not secured by mortgage)	127,419 71
Increase of floating debt since June 30, 1870	109,377 17
Total amount of funded and floating debt.....	627,419 71
Increase of funded and floating debt since June 30, 1870.....	109,377 17
Amount of debt per mile of road (35 3-10 miles).....	17,773 93
Total amount of stock and debt.....	1,127,419 71
Total amount of stock and debt per mile (35 3-10 miles)	31,938 23

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction	\$969,309 09
Cost of right of way.....	15,875 86
Cost of equipment.....	127,672 60
Total cost of entire road and equipment to this date, June 30, 1871.	\$1,112,857 55
Cost of road and equipment per mile, (35 3-10 miles)	31,525 70

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

Length of single main track laid with iron.....	35 3-10 miles.
Aggregate length of sidings and other tracks not above enumerated	3.1 "
Total length of iron embraced in preceding heads	38 4-10 "

CROSSINGS.

What railroads cross or are crossed by your road, at grade?

Crosses Pittsburg, Ft. Wayne and Chicago, at Leetonia, at grade.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860.

We have, without any exceptions.

BRIDGES AND TRESTLES.

Number of wooden bridges, and aggregate length in feet:

Number.....	5
Aggregate length.....	410 feet.

Number of wooden trestles, and aggregate length in feet:

Number	19
Aggregate length.....	2,520 feet.

The greatest age of wooden bridges 6 years.

The average age of wooden bridges 2 1-5 "

The greatest age of wooden trestles 5 "

The number and kind of new bridges built within the year, (ending June 30, 1871,) and length in feet:

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built—date.
Hunter Camp.....	Truss Girder.....	Wood	35	November, 1870.
Teegarden.....	"	"	19	November, 1870.

FENCING.

The length of road unfenced on either side [both sides] and the reason therefor.
19 miles not fenced.

Length of road fenced within the past year (ending June 30, 1871), and cost per rod.

About 10 miles, at a cost of \$1 25 per rod.

Can you state what proportion of your line the land holder is obligated to fence?
None.

EQUIPMENT.

Number of locomotives	5
Number of freight cars	133
Number of other cars.....	1
Total number of persons employed in operating the road	70

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion ...	20
Average rate of same, including stops	18
The highest rate of speed allowed by mail and accommodation trains when in motion	20
Average rate of same, including stops	18
The highest rate of speed allowed by freight trains when in motion	12
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile:

	First class.
Highest rate per mile for the shortest distance passengers are carried....	5 cents.
Highest rate per mile for distances more than 5 and less than 15 miles....	4½ “
Highest rate per mile for distances more than 15 and less than 30 miles..	4 “
Highest rate per mile for distances more than 30 and less than 50 miles..	3½ “

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried.....	50	40	40	30
Highest rate per ton per mile for distances of more than 5 and less than 15 miles.....	40	28	22	17
Highest rate per ton per mile for distances of more than 15 and less than 30 miles.....	20	16	13	10
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	12	10	9	8

Have you adopted the provisions of the “Act regulating the charges for transportation of freight upon railroads within this State,” passed April 26, 1871 ?

Yes.

DOINGS OF THE YEAR ENDING JUNE 30.

Mileage of Locomotives and Cars.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains	41,712
The number of miles run by locomotives hauling freight trains.....	55,156
The number of miles run by locomotives hauling construction and other trains not named above	4,160
Total mileage of locomotives	101,028

CARS.

The number of miles run by passenger cars	41,712
The number of miles run by express and baggage cars	41,448
The number of miles run by freight cars	408,052
The number of miles run by cars in construction and other trains not named above	33,280
Total mileage of cars	524,492

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	42,948
---	--------

FREIGHT.

The number of tons of through freight carried	43,511
The number of tons of local freight carried	231,117
Total number of tons, through and local, carried	274,628

TONNAGE OF ARTICLES TRANSPORTED.

ARTICLES TRANSPORTED.

	ons.
Coal	185,176
Stone and lime	7,776
Petroleum	4
Ores—iron and other	37,313
Railroad and pig iron	16,813
Other iron and castings	775
Lumber and other forest products	3,418
Animals	1,433
Grain	1,666
Agricultural products, except grain	244
Flour	71
Provisions	130
Manufactures	814
Merchandise and other articles	4,475
Coke	14,520
Total	274,628

FUEL CONSUMED.

Cords of wood consumed	475
Tons of coal consumed	2,650

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$25,692 45
From transportation of freight	125,865 55
From mail	1,512 50
From express	1,089 79
Total earnings for the year	<u>\$154,160 29</u>

OPERATING EXPENSES.

For maintenance of way and structures	\$27,955 85
For maintenance of cars	3,727 39
For motive power	9,535 62
For conducting transportation	24,030 27
General expenses, as follows :	
Taxes—State	\$2,594 86
National	324 47
Interest on floating debt	2,572 06
Other general expenses	10,397 31
Total general expenses	<u>15,838 70</u>
Total operating expenses (being 52½ per cent. of earnings)	<u>81,137 83</u>
Net earnings	<u>\$73,022 46</u>

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 35 3-10 miles.]

Amount of earnings per mile	\$4,367 14
Amount of operating expenses per mile	2,298 52
Amount of net earnings per mile	2,068 62

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Construction of new work	\$17,412 46
Additional equipment	55,610 00
Total payments in addition to operating expenses	<u>\$73,022 46</u>

ANIMALS KILLED.

The number and kind of farm animals killed, and amount of damages paid therefor, within the year ending June 30, 1871.

2 cows killed	\$87 50
1 cow injured	10 00
3 calves killed	49 50
9 sheep killed	40 00
1 horse killed	55 00
16 Totals	<u>\$242 00</u>

ACCIDENTS TO PERSONS.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871.

July 4, 1870. One passenger injured, (want of caution). John Jones, intoxicated, fell when passing between cars; arm crushed and amputated; at Washingtonville, Ohio.

November 21, 1870. One employe injured, (cause beyond his own control). E. J. Woodward, caught between tender and coal car while coupling; crushing ankle; leaving slightly lame; at Robins, Ohio.

June 5, 1871. One employe injured, (want of caution). Daniel Watson, fore finger cut off while coupling; caught between tender and pin; at Niles, Ohio.

Total injured—

Passenger	1
Employe	2
	— 3

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

Adams Express Company. Pay 27 cents per hundred for transportation.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF OFFICERS.	POST OFFICE ADDRESS.
C. H. Andrews, President	Youngstown, Ohio.
John H. Comer, Secretary and Treasury	New York City.
Ben. Cunningham, Auditor	Niles, Ohio.
C. W. Bradley, Superintendent	"

[Report duly subscribed and sworn to by C. H. Andrews, President, before A. J. Dyer, a Notary Public in and for Trumbull county, Ohio, September 5, 1871.]

ANNUAL REPORT

OF THE

OHIO AND MISSISSIPPI RAILWAY COMPANY,

For the year ending June 30, 1871.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$24,030,000 00
The amount of capital stock paid in .	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <div style="display: flex; align-items: center;"> <div style="font-size: 2em; margin-right: 5px;">{</div> <div> <div>common</div> <div>preferred.....</div> </div> </div> <div style="margin-left: 10px;"> <div>\$20,000,000 00</div> <div>4,030,000 00</div> </div> </div> </div>
Total amount of stock	24,030,000 00
Increase of stock since June 30, 1870 (preferred stock of branch)...	530,000 00
Amount of stock per mile of road (393 miles)	61,145 00
Proportion of stock for Ohio, according to miles, of road in the State (19.53 miles)	1,194,161 85

DEBTS.

The amount of funded debt, (giving classes,) as follows :

1st mortgage bonds, (due July 1, 1872).....	\$2,900,000 00
2nd mortgage bonds, (due January 1, 1874)	534,000 00
Income mortgage bonds, (due October 1, 1882)	221,500 00
Funded Debt mortgage bonds, (due October 1, 1882).....	16,500 00
Consolidated mortgage bonds, (due January 1, 1898)	2,862,850 00
Total amount of funded debt.....	* 6,534,850 00
Decrease of funded debt since June 30, 1870.....	10,000 00
The amount of floating debt (that is, debt not secured by mortgage).....	298,943 47
Increase of floating debt since June 30, 1870	18,765 57
Total amount of funded and floating debts.....	6,833,793 47
Decrease of funded and floating debt since June 30, 1870.....	18,765 57
Amount of debt per mile of road, (393 miles)	17,388 80
Proportion of debt for Ohio, according to miles of road in the State, (19.53 miles)	339,603 26
Total amount of stock and debt	30,863,793 47
Total amount of stock and debt per mile, (393 miles).....	78,533 83
Total amount of stock and debt for Ohio, (19.53 miles)	1,533,765 70

* Error of \$10,000 (too much) in amount reported last year.

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871.....	\$30,863,793 47
Cost of road and equipment per mile, (393 miles)	78,533 83
Proportion of cost of road and equipment for Ohio, according to miles of road in the State, (19.53 miles)	1,533,765 70

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF ENTIRE LINE.

Total length of entire line and branches :

Main line.....	340
Branches	53
Total.....	393 miles.

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron	19 53-100 miles.
Aggregate length of sidings and other tracks not above enumerated ..	8 33-100 "
How much of the above, main line, branches, sidings, etc., is double gauge? (3 rail track)	1 84-100 "
Total length of iron embraced in preceding heads	29.70 "
How much of the road is ballasted, and with what material?	
All ballasted with gravel.	
How much of the road has been ballasted since June 30, 1870, and with what material?	
None in Ohio.	

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State?

The main line is not crossed by any road.

At Storrs, the O. & M. Railway have put in two connecting tracks with the Hamilton and Dayton Railroad, which crosses the Cincinnati and Indiana at grade.

Also at Muddy Creek, the O. & M. Railway and Cincinnati and Indiana Railroad cross on a single track bridge.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the Act of March 24, 1860?

Yes.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet :

Number.....	2
Aggregate length.....	520 feet.

Number of iron bridges and aggregate length in feet :

Number	1
Aggregate length	630 feet.

FENCING IN OHIO.

The length of road unfenced on either side [both sides] and the reason therefor.

All unfenced except 2 miles on north side, and four on the south side.

No road fenced within the past year (ending June 30, 1871).

EQUIPMENT.

Number of locomotives	87
Number of passenger cars.....	43
Number of express and baggage cars	24
Number of freight cars	1,371
Number of other cars.....	10
Total number of persons employed in operating the road in Ohio. Keep no account, (estimated)	300

SPEED OF TRAINS. *

Miles per hour.

The highest rate of speed allowed by express passenger trains when in motion	40
Average rate of same, including stops	30
The highest rate of speed allowed by mail and accommodation trains when in motion	35
Average rate of same, including stops	25
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same including stops	12

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First class.	Second class.
	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried.	5	4
Highest rate per mile for distances more than 5 and less than 15 miles.	5	4
Highest rate per mile for distances more than 15 and less than 30 miles.	5	4
Highest rate per mile for distances more than 30 and less than 50 miles.	5	4
Highest rate per mile for distances more than 50 and less than 100 miles.	5	4
Highest rate per mile for through passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State.....	4	3
General average rates	4 2-5	3 2-5

* The highest rates of speed are not at all times allowed, yet there are times when circumstances require it to be reached for the distance of a few miles. It is not a speed allowed to be regularly practiced.

FREIGHT.

The rate per ton per mile charged for the various classes of fr't, through and local	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried .	32	28	22	20	16
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	27 13-100	21 43-100	18 57-100	14 28-100	11 43-100
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	14 80-100	11 90-100	11 10-100	9	6 67-100
Highest rate per ton per mile for distances of more than 30 and less than 50 miles	12 34-100	11 53-100	9	7 66-100	6
Highest rate per ton per mile for distances of more than 50 and less than 100 miles	8 57-100	6 53-100	5 50-100	5 10-100	3 87-100
Highest rate per ton per mile for the whole length of the main road in Ohio	20	15 80-100	13 68-100	10 52-100	8 52-100
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies or points beyond the State	5 29-100	4 41-100	3 53-100	2 65-100	2
General average rates	2 3-100	1 78-100	.....	.....	.....

Have you adopted the provisions of the "act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

Our company claims the right under its charter to regulate its own charges for the transportation of freight and passengers. I refer to the following extract from our original Indiana charter, adopted and confirmed by the Legislature of Ohio, under which we are now acting as a corporation: "That the corporation may charge and receive such tolls and freights for the transportation of persons, commodities and carriages on said road, or any part thereof as shall be for the interest of said company, and to change, lower or raise the same at pleasure."

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID.

The length of re-rolled iron rail laid within the year 76 miles.

What is the relative durability and value of steel rails compared with iron, as used on your road?

Not enough steel rails in use to make a comparison.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	910,941
The number of miles run by locomotives hauling freight trains	1,517,755
Total mileage of locomotives	2,428,696

CARS.

The number of miles run by passenger cars	2,419,407
The number of miles run by express and baggage cars	1,412,577
The number of miles run by freight cars	8,099,172
The number of miles run by cars in construction and other trains not named above	3,125,784
Total mileage of cars	15,056,940

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars	384,514
Total miles traveled by passengers, or number of passengers carried one mile	32,908,901
Average number of miles traveled by each passenger carried	85
Average amount received from each passenger carried	\$3 00
Average amount per mile received from each passenger carried	3½ cents.

FREIGHT.

The number of tons of through freight carried	179,971
The number of tons of local freight carried	484,705
Total number of tons, through and local, carried	664,676
Total number of tons of freight carried one mile	88,154,054
Average amount received for each ton of freight carried	\$2 83
Average amount per mile received for each ton of freight carried	2.03 cents.

TONNAGE OF ARTICLES TRANSPORTED.

No account is kept of the various articles transported.

FUEL CONSUMED.

Cords of wood consumed	13,165
Tons of coal consumed	63,385

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers.	{ Through.. \$501,981 38		
	{ Local..... 656,175 85	Total....	\$1,158,157 23
From transportation of freight	{ Through.. 831,127 16		
	{ Local..... 1,052,652 97	Total....	1,883,780 13
From mail			68,200 00
From express			87,015 56
Total earnings for the year			\$3,197,152 92

OPERATING EXPENSES.

For maintenance of way and structures.....	\$742,925	19
For maintenance of cars	162,538	10
For motive power	159,918	29
For conducting transportation	1,234,919	35
General expenses as follows :		
Taxes—State :		
Ohio	\$14,910	36
Indiana	20,561	13
Illinois	19,283	63
National	8,280	25
Interest on floating debt	35,704	66
Total operating expenses (being 75 per cent. of earnings).....	\$2,398,940	98
Net earnings	\$798,211	96

AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 393 miles for entire line, and 19.53 miles for Ohio.]

Amount of earnings per mile	\$8,135	25	Proportion for Ohio..	\$158,881	43
Amount of operating expenses per mile..	6,104	18	Proportion for Ohio..	119,214	63
Amount of net earnings per mile	2,031	07	Proportion for Ohio..	39,668	80

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds	\$440,374	47
Tax on same	16,512	45
Interest on preferred stock (rate per cent. 7, amount \$4,030,000).....	282,229	50
Tax on same	9,993	66
Additional real estate.....	32,287	10
Total payments in addition to operating expenses	\$781,397	18
Amount per mile of road (393 miles).....	1,988	28
Proportion for Ohio (19.53 miles)	38,771	46

ANIMALS KILLED IN OHIO.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871 :

28 Cows, heifers and bulls	\$503	00
50 Hogs or swine.....	217	00
6 Horses	300	00
1 Sheep	3	00
85 Totals	\$1,023	00

ACCIDENTS TO PERSONS IN OHIO.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871:

March 27, 1871. One person killed. Name unknown.

April 23, 1871. One employe injured (want of caution). Loading freight.

May 25, 1871. One person killed. Unknown man.

May 25, 1871. One employe injured (cause beyond his own control). Shoveling gravel and bank caved on him.

May 25, 1871. One employe killed (cause beyond his own control). Shoveling gravel and bank caved on him.

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

The Adams Express Company.

The express company pay \$125 per day for carrying 5 tons of freight daily between Cincinnati and St. Louis, and for all in excess of 5 tons an average rate of 52 cents per 100 pounds.

No transportation companies run on this road.

SLEEPING CARS.

Do you run sleeping cars on your road; and if so, by whom are they owned, and on what terms are they run?

Contract with the Central Transportation Company of Pennsylvania, by which they put sleeping cars on our road. The company haul the cars and charge the usual passenger fare, and the Central Transportation Company charge the passenger for the sleeping accommodations.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

We make no charge for sleeping car accommodations, that belongs to the Central Transportation Company, and are not under our control.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

We have no fixed rules in regard to issuing free passes. Employes and parties in the service of the company are passed over the road free; parties shipping live stock are passed free, to take care of their stock, either cattle, hogs or horses. Heretofore free passes have been given to influential men on the line of the road and some public officers but latterly the issuing of these passes has been very much restricted.

Keep no record of free transportation on our road; and cannot state the amount in dollars it would have yielded had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
Wm. D. Griswold.....	Terra Haute, Indiana.
Larz Anderson	Cincinnati, Ohio.
W. W. Scarborough.....	" "
James D. Lehmer.....	" "
Daniel Torrance.....	" "
Lewis B. Parsons	St. Louis, Missouri.
Joseph W. Alsop.....	New York.
Wm. H. Aspinwall.....	"
Wm. Whitewright, jr.....	"
John King, jr.	Baltimore, Maryland.
Samuel W. F. Odell.....	New York.
Allan Campbell.....	"
Fred. Schuckardt.....	"
D. Torrance, President.....	88 Wall St., New York.
A. N. Chrystie, Vice President.....	353 W. Fourth St., Cincinnati, Ohio.
E. D. Hammond, Secretary.....	88 Wall St., New York.
Charles S. Cone, Treasurer	353 W. Fourth St., Cincinnati, Ohio.
Peter Van Deusen, Auditor.....	" " "
Wm. Newhouse, Cashier	St. Louis, Missouri.
J. L. Griswold, Superintendent.....	" "
T. D. Lovett, Engineer.....	353 W. Fourth St., Cincinnati, Ohio.
Charles E. Follett, General Ticket Agent.....	St. Louis, Missouri.
James A. Hill, General Freight Agent	" "

[Report duly subscribed and sworn to by A. N. Chrystie, Vice President of the company, before Wm. G. Williams, a Notary Public in and for Hamilton county, Ohio, August 25, 1871.]

ANNUAL REPORT

OF THE

PITTSBURGH, CINCINNATI & ST. LOUIS RAILWAY COMPANY.

For the year ending June 30, 1871.

[This report embraces the characteristics and operations of the following railroads:

First. The Pittsburgh, Cincinnati and St. Louis Railway, proper, extending from Columbus to Pittsburgh, 193 miles, 157½ miles of which lies in Ohio, with a branch (called the Cadiz Branch) in Harrison county, 7½ miles in length. Thirty-three miles of the main line, between Columbus and Newark, is owned in common with the Central Ohio Railroad Company, and is not given in this report under head of "Length of Line," (being reported by the Central Ohio Railroad Company,) but is counted in making apportionment of stock, debts, cost, and operations.

Second. The Columbus, Chicago and Indiana Central Railway, extending from Columbus, Ohio, to Chicago, Illinois; from Bradford Junction, Ohio, to Indianapolis, Indiana; from Richmond, Indiana, to Logansport, Indiana; and from Logansport to the western line of Indiana, in all 582 miles. Of this, 136 9-10 miles lies in Ohio, extending from Columbus to Union City, on the State line, between Ohio and Indiana, 116 3-10 miles, and from Bradford Junction to a point on said State line toward Richmond, Indiana, 20 6-10 miles.

Third. The road proper of the Little Miami Railroad Company, and its leased lines, as follows: Little Miami Railroad, extending from Cincinnati to Springfield, 84 miles, with a branch from Xenia to Dayton, 15 miles; the Columbus & Xenia Railroad, extending from Xenia to Columbus, 55 miles; the Dayton and Western Railroad, extending from Dayton to a point on the western State line, toward Richmond, Indiana, 37½ miles; and the Richmond and Miami Railway, extending from said point on said State line, to Richmond, Indiana,* 3½ miles; in all 196 miles, of which all but 3½ miles lies in Ohio.

The roads of the Columbus, Chicago and Indiana Central Railway Company, and the Little Miami Railroad Company (with its leased lines), are leased to the Pittsburgh, Cincinnati and St. Louis Railway Company, thus making the length of line covered by this report (as to characteristics and operations, as aforesaid), 978½ miles, of which 453 9-10 miles lies in Ohio.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized		\$5,424,350 00
The amount of capital stock paid in. {	common	\$2,500,000 00
	preferred	2,924,350 00
Total amount of stock		5,424,350 00

*Two miles of the Richmond & Miami Railway, from Richmond to the Junction, is used in common with the Cincinnati, Richmond & Chicago Railroad.

Amount of stock per mile of road (201 miles).....	\$26,986 81
Proportion of stock for Ohio, according to miles of road in the State, (157½ miles).....	4,250,432 57

DEBTS.

The amount of funded debt (giving classes) as follows:

1st mortgage bonds.....	\$6,212,000 00
1st mortgage bonds (Columbus and Newark div.)	775,000 00
1st mortgage bonds (Steubenville and Indiana).....	3,000,000 00
2d mortgage bonds (" " ").....	18,015 24
Income bonds (" " ").....	12,425 00
<hr/>	
Total amount of funded debt	10,017,440 24
Decrease of funded debt since June 30, 1870	15,550 00
The amount of floating debt, (that is, debt not secured by mortgage)....	2,560,633 08
Increase of floating debt since June 30, 1870.....	2,154,465 80
Total amount of funded and floating debts.....	12,578,073 32
Increase of funded and floating debt since June 30, 1870.....	2,138,915 80
*The amount of funded debt per mile of road (201 miles).....	49,838 01
" " floating " " (978½ ").....	2,616 89
Proportion of funded debt for Ohio, according to miles of road in the State, (157½ miles).....	7,849,486 57
Proportion of floating debt for Ohio, according to miles of road in the State, (453 9-10 miles)	1,187,806 37
Total amount of stock and debt.....	18,002,423 32
Total amount of stock and debt per mile (201 miles).....	79,441 71
Total amount of stock and debt for Ohio (157½ miles)	12,512,069 32

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction.....	\$13,557,290 62
Cost of right of way	541,987 72
Cost of equipment	3,413,502 35
All other items embraced in cost not included in the preceding.....	152,382 24
<hr/>	
Total cost of entire road and equipment to this date, June 30, 1871.	17,665,162 93
Cost of road and equipment per mile (201 miles).....	87,886 38
Proportion of cost of road and equipment for Ohio, according to miles of road in the State, (157½ miles).....	13,842,104 85

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF ENTIRE LINE.

Total length of entire line and branches:		Miles.
Main line—P. C. & St. L.....	193 miles.	
Little Miami	119½ miles.	
C. C. & I. C.....	582 miles.	
<hr/>		894½
Branches—P. C. & St. L..	7½ miles.	
Little Miami.....	76½ miles.	
<hr/>		84
Total		978½

*Funded debt applies to P. C. & St. L. Railway proper. Floating debt to P. C. & St. L. Railway and leased roads.

LENGTH OF LINE IN OHIO.

	Miles.
Length of single main track laid with iron: P. C. & St. L. div., 117½; L. M., 119½; C. C. & I. C., 136 9-10	373 9-10
Length of double main track: L. M.	27
Length of branches, (naming each branch) stating whether they have single or double track, as follows:	
P. C. & St. L., Cadiz branch—single track	7½ miles.
L. M., Springfield & Xenia branch—single track	19 miles.
L. M., D. & X. and D. & W. branch—single track	53½ miles.
Total length of branches	80
Aggregate length of sidings and other tracks not above enumerated	80 3-10
Total length of iron embraced in preceding heads	569 2-10
How much of the road in Ohio is ballasted, and with what material?	
All ballasted with gravel.	

CROSSINGS.

What railroads cross or are crossed by your road at grade, within this State?

Lake Erie Division of B. & Ohio R. R., at Newark.

Cleveland, Columbus, Cincinnati & Indianapolis R. R., at Columbus.

Columbus & Hocking Valley R. R., at Columbus.

Marietta & Cincinnati R. R., at Loveland.

Cleveland, Columbus, Cincinnati & Indianapolis R. R., at Milford Centre.

Cincinnati, Sandusky & Cleveland R. R., at Urbana.

Atlantic & Great Western Railway, at Urbana.

Dayton & Michigan R. R., 9-10th mile east of Piqua.

Dayton & Union R. R., at Greenville.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860?

Engines are required to come to a full stop at each crossing, and not proceed until the way is clear, excepting at crossing of Columbus & Hocking Valley Railroad, that being within the yard limits of Columbus station.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet:	
Number	118
Aggregate length	12,046 feet.
Number of iron bridges, and aggregate length in feet:	
Number	3
Aggregate length	283 feet.
Number of stone bridges, and aggregate length in feet:	
Number	16
Aggregate length	1,756 feet.
Number of wooden trestles and aggregate length in feet:	
Number	65
Aggregate length	4,293 feet.

The greatest age of wooden bridges.....	11½ years.
The average age of wooden bridges.....	5 years.
The greatest age of wooden trestles	11 years.

The number and kind of new bridges built within the year, (ending June 30 1871,) and length in feet:

Bridge.	Kind.	Whether wood, stone or iron.	Length in feet.	When built—date.
No. 39.....	Howe Truss.....	Wood	130.2	March, 1871.
No. 52.....	Trussed Girder.....	"	40.6	June, 1871.
No. 54.....	"	"	40.6	June, 1871.
No. 55.....	"	"	40.6	June, 1871.
No. 67.....	Howe Truss.....	"	119.6	June, 1871.
No. 69.....	Arches.....	Stone.....	169	Nov., 1870.
Nettle Creek.....	Howe Truss.....	Wood	61	Feb., 1871.
Boyd's Creek.....	Pile Trestle	"	132	Sept., 1870.
Dayton.....	Keystone Bridge Co.	Iron	100	March, 1871.

FENCING.

The length of road unfenced on either side [both sides], and the reason therefor?

On P., C. & St. L. Div., about 25 miles unfenced.

On Little Miami Div., about 9 miles unfenced by reason of contracts not being completed with landowners.

On C., C. & I. C. Div., about 69 miles unfenced.

Length of road fenced within the year (ending June 30, 1871), and cost per rod?

No fencing done on P., C. & St. L. Div. during the year.

4,026 rods done on C., C. & I. C. Div., costing \$1.45 per rod.

676 rods done on Little Miami Div., costing \$1.75 per rod.

Can you state what proportion of your line the landholder is obligated to fence?

On P., C. & St. L. Div., about one-tenth of fencing devolves upon landowners.

EQUIPMENT.

Number of locomotives on P., C. St. L. Div., 92; on L. M., 47; on C., C. & I. C., 141	280
Number of passenger cars on P., C. & St. L., Div. 31; on L. M., 38; on C., C. & I. C., 54.....	123
Number of express and baggage cars on P., C. & St. L. Div., 18; on L. M., 22; on C., C. & I. C., 27.....	67
Number of freight cars on P., C. & St. L. Div., 1,515; on L. M., 793; on C., C. & I. C., 1,603	3,911
Number of other cars on P., C. & St. L. Div., 42; on L. M., 15; on C. C. & I. C., 49	106
Total number of persons employed in operating the road in Ohio.....	3,056

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion..	40
Average rate of same, including stops.....	30
The highest rate of speed allowed by mail and accommodation trains when in motion	30
Average rate of same, including stops	24
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same, including stops	10

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First Class.	Second Class.	Third Class.
	Cents.	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried.....	6½	-----	-----
Highest rate per mile for distances more than 5 and less than 15 miles	5	-----	-----
Highest rate per mile for distances more than 15 and less than 30 miles.....	3½	2 7-10	1 3-10
Highest rate per mile for distances more than 30 and less than 50 miles	3½	2 7-10	1 3-10
Highest rate per mile for distances more than 50 and less than 100 miles.....	3½	2 7-10	1 3-10
Highest rate per mile for the whole length of the main road in Ohio	3 27-100	-----	-----
Highest rate per mile for through passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State.....	3½	-----	-----

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First class.	Second class.	Third class.	Fourth class.
	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried	72	64	56	-----
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	24	20	16	-----
Highest rate per ton per mile for distances of more than 15 and less than 30 miles.....	18	16	13½	-----
Highest rate per ton per mile for distances of more than 30 and less than 50 miles.....	14	12	10	-----
Highest rate per ton per mile for distances of more than 50 and less than 100 miles.....	8	7½	5½	-----
Highest rate per ton per mile for the whole length of the main road in Ohio.....	5	4½	3½	-----
Highest rate per ton per mile for <i>through</i> freight, that is, freight passing from and over the line to points on the lines of other companies, or points beyond the State.....	4½	3 4-100	2 26-100	1 22-100

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871?

Yes, as far as practicable.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID AND STEEL RAIL IN USE.

The length of new iron rail laid within the year, P., C. & St. L., 4 5-10, L. M., 1 8-10.....	6 3-10 miles.
The length of re-rolled iron laid within the year, P., C. & St. L., 42, L. M., 49 4-10, C., C. & I. C., 3 5-10.....	94 9-10 "
The length of spliced and mended iron rail laid within the year, L. M., 11 4-10, C., C. & I. C., 8-10	12 2-10 "
How much steel rail have you, and how long laid?	
Length	1 1-10 "
A portion	4½ years.
A portion	3 "

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains:

P., C. & St. L. Div.....	593,374	
L. M. Div	618,256	
C., C. & I. C. Div.....	965,530	
		2,177,160

The number of miles run by locomotives hauling freight trains:

P., C. & St. L. Div	1,621,971	
L. M. Div	488,062	
C., C. & I. C. Div.....	2,077,628	
		4,187,661

The number of miles run by locomotives hauling construction trains:

P., C. & St. L. Div.....	144,954	
L. M. Div	47,511	
C., C. & I. C. Div.....	527,816	
		720,281

Total mileage of locomotives.....	7,085,302
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CARS.

Number of miles run by passenger cars:

P., C. & St. L. Div.....	1,900,524	
L. M. Div	1,897,388	
C., C. & I. C. Div.....	3,105,505	
		6,903,417

The number of miles run by express and baggage cars:

P., C. & St. L. Div.....	946,082	
L. M. Div	1,062,104	
C., C. & I. C. Div.....	1,095,113	
		3,103,299

The number of miles run by freight cars:

P., C. & St. L. Div	19,560,583	
L. M. Div	6,985,561	
C., C. & I. C. Div.....	31,964,723	
		58,510,867

The number of miles run by caboose cars:

P., C. & St. L. Div	1,123,348	
L. M. Div	321,508	
C., C. & I. C. Div.....	1,713,326	
		3,158,182

The number of miles run by cars in construction and other trains not named above:

P., C. & St. L. Div.....	386,427	
L. M. Div.....	209,198	
C., C. & I. C. Div	1,532,831	
		2,128,456

Total mileage of cars	73,804,221
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DOINGS IN TRANSPORTATION.

Passengers, no record.

Freight, no record.

Tonnage of articles transported, no record.

Fuel consumed, no record.

EARNINGS, OPERATING EXPENSES, ETC., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers:

P., C. & St. L. Div	\$744,913 03	
L. M. Div	727,914 45	
C., C. & I. C. Div.....	1,080,707 87	
		\$2,553,535 35

From transportation of freight:

P., C. & St. L. Div	\$2,146,100 35	
L. M. Div	894,788 25	
C., C. & I. C. Div.....	2,690,771 75	
		5,731,660 35

From mail:

P., C. & St. Div	\$32,400 00	
L. M. Div	34,202 79	
C., C. & I. C. Div.....	80,314 65	
		146,917 44

From express:

P., C. & St. L. Div.....	\$79,603 52	
L. M. Div	78,359 93	
C., C. & I. C. Div.....	46,722 45	
		204,685 90

From all other sources (except increase of capital stock), including rents, etc.:

P., C. & St. L. Div	\$133,126 55	
L. M. Div	131,681 85	
C., C. & I. C. Div.....	43,299 57	
		308,107 97

Total earnings for the year.....	\$8,944,907 01
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OPERATING EXPENSES.

For maintenance of way and structures :		
P., C. & St. L. Div.....	\$587,011 15	
L. M. Div	261,412 44	
C., C. & I. C. Div.....	456,164 17	
	<hr/>	\$1,304,587 76
For maintenance of cars :		
P., C. & St. L. Div.....	\$151,657 41	
L. M. Div	113,268 19	
C., C. & I. C. Div.....	245,699 83	
	<hr/>	510,625 43
For motive power :		
P. C. & St. L. Div.....	\$612,686 58	
L. M. Div	303,550 89	
C., C. & I. C. Div.....	1,034,988 28	
	<hr/>	1,951,225 75
For conducting transportation :		
P., C. & St. L. Div.....	\$912,577 03	
L. M. Div	419,139 68	
C., C. & I. C. Div.....	979,641 97	
	<hr/>	2,311,358 63
General expenses, as follows :		
Taxes, State—		
Ohio—P., C. & St. L. Div	\$23,330 76	
L. M. Div.....	45,034 20	
C., C. & I. C. Div	11,609 22	
Pennsylvania—P., C. & St. L. Div.....	92 15	
West Virginia—P., C. & St. L. Div.....	2,465 54	
L. M. Div	439 97	
Indiana—C., C. & I. C. Div	47,217 97	
Illinois—C., C. & I. C. Div.....	12,195 51	
National	17,185 50	
Other general expenses	90,906 67	
	<hr/>	
Total general expenses		250,476 49
Total operating expenses (being 70½ per cent. of earnings).....		<hr/> \$6,328,274 11
Net earnings		<hr/> \$2,616,632 90

AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 978½ miles for entire line, and 453 9-10 miles for Ohio.]

Amount of earnings per mile	\$9,141 45	Proportion for Ohio..	\$4,149,304 15
Amount of operating expenses per mile	6,467 32	Proportion for Ohio..	2,935,516 54
Amount of net earnings per mile	2,674 13	Proportion for Ohio..	1,213,787 61

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds.....	\$668,915 00
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Lease of other roads (giving name of and amount paid for each):

Little Miami Railroad	\$676,179 52	
Columbus, Chicago and Ind. Cen. Railway.....	1,182,544 88	
		1,858,724 40
Construction of new work		339,851 02
Additional equipment		942,924 90
Additional real estate.....		50,384 08
Total payments in addition to operating expenses	\$3,860,799 40	
Amount per mile of road (978½ miles).....		3,945 63
Proportion for Ohio (453 9-10 miles)		1,790,921 45

If the foregoing payments exceed the net earnings, as shown on the preceding page, state from what source the surplus was derived:

In part from sale of securities, a portion from the Pennsylvania Railroad Company, and the remainder from increase of floating debt.

ANIMALS KILLED IN OHIO.

The number and kind of farm animals killed, and amount of damages paid therefor, within the year ending June 30, 1871:

71 horses	_____
188 cattle	_____
26 hogs	_____
33 sheep	_____
4 calves	_____
322 Totals.....	\$21,783 10

ACCIDENTS TO PERSONS IN OHIO.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871:

July 13, 1870. One person killed. Mary A. Stanton, while walking on track near Eldorado; raining at the time.

July 17, 1870. One employe injured (want of caution). Silas W. McClelland, struck by second overhead bridge east of Columbus.

July 18, 1870. One employe injured (want of caution). Wm. Baird, in coupling.

July 19, 1870. One employe injured (want of caution). E. G. Horner, arm crushed, coupling cars, at Unionport.

August 3, 1870. One person killed. Mrs. Wakemiller, struck by passenger train while walking on track near Trenton.

August 7, 1870. One employe injured (want of caution). Jos. H. Redman, thrown from top of car while switching, at New Market; ankle sprained and thigh badly bruised.

August 19, 1870. One employe injured (want of caution). John Ansel, three fingers mashed, coupling cars, at Dennison.

August 26, 1870. One employe killed (want of caution). V. Kames, caught between cars while coupling, at Fosters; lived 4 days.

August 27, 1870. One employe injured (want of caution). B. Allen, struck by bridge.

August 29, 1870. One employe injured (want of caution). Chas. T. Smith, slipped in attempting to get into caboose, at Dennison; wheel passed over foot.

August 30, 1870. One employe injured (want of caution). Jos. Strong, struck by bridge at Bowerstown; hand badly bruised.

September 12, 1870. One employe injured (want of caution). T. Meeks, had hand crushed coupling cars, at London.

September 15, 1870. One person, Wm. Nichols, injured, while driving cow across track near Brookville.

September 21, 1870. Unknown man killed; found lying on track near Fosters; nothing found to identify him. Coroner's verdict: "Death by falling from train."

September 21, 1870. One employe injured (want of caution). Wm. Stephens, struck by bridge, 1½ miles west of Montgomery's; head and forehead badly bruised.

September 24, 1870. One employe killed (cause beyond his own control) J. F. Arthers, by collision with freight train, 1 mile west of Alexandria road.

September 24, 1870. One employe killed (cause beyond his own control). R. K. Hine; same collision as preceding accident.

September 24, 1870. One employe injured (want of caution). Ed. Fisher, injured in breast, back and hand; same collision as preceding accident.

September 24, 1870. One employe injured (want of caution). Hugh Criss had his arm broken in same collision.

September, 25, 1870. One person, B. Watkins, killed at Bradford, while attempting to cross track ahead of engine.

September 27, 1870. One employe injured (want of caution). Wm. Dalzell, pinched across hips while coupling cars, near Coshocton.

October 5, 1870. One person injured. Wm. Morris (boy), climbing on freight train, in Cincinnati yard, had foot mashed.

October 10, 1870. One person killed. Wm. Cunningham, attempted to get on freight train while in motion, at Fort Ancient, fell under car and injured ankle; died from effects.

October 11, 1870. One employe injured (cause beyond his own control). Harry Taylor, fell from box car on to flat car, near Oxford; head and breast injured.

October 15, 1870. One person killed on track. Samuel Rice, drunk, lying on track, run over by night express.

October 19, 1870. One employe injured (want of caution). E. L. Roberts, had fingers cut off, coupling cars, at Wiley's.

October 23, 1870. One employe injured (want of caution). George Burke, had head badly injured in coupling, on Blue Hill grade.

October 24, 1870. One person injured. R. Jones (boy), fell from train, at Cincinnati.

October 31, 1870. One employe killed (want of caution). Harry Jones, struck by bridge, west of Mingo Junction; killed instantly.

November 4, 1870. One employe injured (want of caution). Thomas Collins, hip injured, coupling cars, at Cadiz Junction.

November 8, 1870. One passenger injured (want of caution). Christian Krouse, jumped from train while in motion, at Coshocton; ankle injured.

November 10, 1870. One person killed. J. Shover, attempted to cross track, at Urbana, ahead of passenger train, and was run over.

November 16, 1870. One employe killed (want of caution). Wm. Kimball, switchman, at Columbus, caught his foot in a frog and was run over by a train.

November 24, 1870. One employe killed (want of caution). Wm. Stevenson, struck by train, at London.

November 29, 1870. One employe injured (cause beyond his own control). Joseph

Fraley, thrown from car on to lumber pile, at Coshocton, while switching; right arm broken and wrist dislocated.

December 17, 1870. One employe injured (want of caution). Jos. S. Vosbinder, coupling engine to car, at Steubenville; collar bone broken.

December 27, 1870. One employe injured (want of caution). George Moreland, arm injured, coupling, at New Market.

January 3, 1871. One employe injured (want of caution) Thos. Ridington, in pulling cross-tie into place while train was in motion, passing Miller's, struck switch target; injured internally.

January 4, 1871. One passenger injured (cause beyond his own control). Samnel Hughes, injured in breast; train ran over broken rail, $2\frac{1}{4}$ miles west of West Lafayette.

January 4, 1871. One passenger injured (cause beyond his own control). C. Springer, bruised, by same accident as preceding, near West Lafayette.

January 4, 1871. One employe injured (cause beyond his own control). Lewis Cahill, cut on head, train running over broken rail, $2\frac{1}{4}$ miles west of West Lafayette.

January 4, 1871. One employe injured (cause beyond his own control). Wm. Taylor, had hand and face bruised, by same accident.

January 7, 1871. One employe injured (want of caution). D. Clifford, had hand crushed, coupling, at Clayville.

January 13, 1871. One employe killed (want of caution). F. Gutches, struck by bridge, at Piqua.

January 27, 1871. One employe injured (want of caution). Jas. H. Waters, had fingers crushed while coupling cars, at Dennison.

February 2, 1871. One employe injured (want of caution). Jas. E. Hayward, struck by bridge, at Bowerstown; head and face cut.

February 8, 1871. One employe injured (want of caution). J. Kinney, had his hand crushed, coupling cars, at South Charleston.

February 9, 1871. One employe injured (want of caution). Wm. Weaver, had two fingers cut off, switching, at Bradford.

February 11, 1871. One employe killed (want of caution). Andrew Bailey, fell from train.

February 14, 1871. One employe killed (want of caution). J. Sparks, struck by bridge, near Urbana.

February 20, 1871. One employe injured (want of caution). Bowman Neiswander, badly bruised in breast and on leg, by train falling through bridge, east of Skelly's.

February 20, 1871. One employe injured (want of caution). Jos. Stanley, injured about body by same accident as preceding.

February 20, 1871. One employe killed (want of caution). Jacob Hess, by same accident (train falling through bridge, east of Skelly's).

February 20, 1871. One person killed, lying on track. Walter Roenbaugh (subject to fits), near Lock 17.

February 26, 1871. One employe injured (want of caution). Harry Woodward, fell from train, near New Market (supposed to be intoxicated).

February 26, 1871. One employe injured (want of caution). Orelus Walcott, fingers mashed, coupling cars, arsenal switch.

February 28, 1871. One employe killed (want of caution). E. Williams, sent out to flag train, at Pataskala, fell asleep; train struck him; died March 17.

March 18, 1871. One employe injured (want of caution). S. A. Erle, had arm crushed, coupling cars, at Warren.

March 24, 1871. One employe injured (want of caution). John Ansel, arm crushed, coupling cars, at Dennison yard.

March 30, 1871. One employe killed (want of caution). F. Mangold, fell from freight train, at Xenia.

April 18, 1871. One person injured. Adam Wolf, struck by engine while driving across track, near Red Bank.

April 27, 1871. One employe killed (cause beyond his own control). Thos. Ray, fireman, engine thrown off track by running over cow, near Piqua.

May 8, 1871. One person killed. James Armstrong, attempted to get on freight train, passing Port Washington, had one leg broken and one amputated. Died.

May 10, 1871. One person injured. Henry Murry, attempting to drive across track ahead of passenger train, near New Paris.

May 16, 1871. One person killed. — Reed, driving across track, Cincinnati.

June 8, 1871. One person killed. — Colks, boy, run over by train while switching, Cincinnati yard.

June 27, 1871. One person killed. J. Coblenz, (intoxicated) struck by engine while sleeping on track, at Dayton.

Total killed—

Employees	13
Others	12—25

Total injured—

Employees	34
Others	5
Passengers	3—42

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road and on what terms as to rates, use of track, machinery, repair of cars, etc.?

See report of 1867.

[It is deemed proper to print the contracts in full rather than attempt an abstract:]

Agreement between the P. C. & C. & L. M. & C. & X. Railroad Companies, and the Adams Express Company.

Memorandum of an agreement made and concluded this first day of November, Anno Domini, 1865, between the Pittsburgh, Columbus and Cincinnati Railroad Company, and the Little Miami and Columbus and Xenia Railroad Company, parties of the first part, and the Adams Express Company, party of the second part. Witnesseth—

I. That the said railroad companies are to furnish daily, Sunday excepted, to the said Adams Express Company, a sufficient space in a car on the night and morning trains from Pittsburgh for Cincinnati, to carry on each a messenger and safe, and on both trains, inclusive, sixteen thousand pounds of freight; and on the night and morning trains from Cincinnati for Pittsburgh, a sufficient space for a messenger and safe on each, and on both trains, inclusive, four thousand pounds of freight—that is to say, the said railroad companies grant to the express company, the privilege of messenger and safe on two trains, each way, per day, between Pittsburgh and Cincinnati; and also grant the express company the privilege of carrying *sixteen thousand* (16,000) pounds of westward bound freight, and *four thousand* (4,000) pounds of eastward bound freight per day, between the two cities above named. The said amount of freight to be divided between said trains as may be convenient for the express company.

For which above specified services the said Adams Express Company is to pay the said railroad companies as follows, per day: For messenger and safe, and the first *ten thousand* (10,000) *pounds* of freight, of which *six thousand* (6,000) *pounds* is to be westward bound, and *four thousand* (4,000) *pounds* is to be eastward bound, the sum of one hundred and ten dollars and fifty cents, (\$110.50) and for the additional *ten thousand* (10,000) *pounds* westward bound freight, as above described, the sum of ninety-two dollars, (\$92) making for the service, herein before described, the sum of two hundred and two dollars and fifty cents (\$202.50) per day, payment to be made daily, or at such other periods as the railroad companies may elect; and should the entire quantity carried from Pittsburgh to Cincinnati during any month exceed the average weight of sixteen thousand pounds per day, or the entire quantity carried from Cincinnati to Pittsburgh exceed the average weight of four thousand pounds per day, the said express company shall pay monthly for such excess at the rate of ninety-two (92c.) cents per one hundred pounds, it being understood that the excess in one direction shall not be offset by any deficiency in the other direction; nor shall any deduction be made from the daily payment of *two hundred and two* (\$202.50) *dollars and fifty cents* per day in case the average weight carried in either direction shall fall short of the amount contracted to be carried in that direction. It being also understood that the said railroad companies are to haul over their roads upon passenger trains, or trains equally fast with the average of passenger trains, all such excess in amount of freight, over and above the amount named in the foregoing quantity, that may be offered by the said express companies.

II. Said parties of the second part agree to pay for freight carried from Pittsburgh to Columbus, or Columbus to Pittsburgh, on through trains, at the rate of *sixty-five cents per one hundred pounds*, and for shorter distances, on local freight between those points, at a *pro rate* based on the *sixty-five cents rate* between Columbus and Pittsburgh; payment to be made monthly.

III. Said railroad companies further agree that they will not carry freight or express matter, or allow their conductors, agents or baggage masters, to carry freight or express matter on either of the above named trains; it being understood, however, that the said railroad companies reserve the right to carry goods for other express companies on said passenger trains upon the same terms and conditions charged the said Adams Express Company.

IV. Said railroad companies agree that they will not furnish facilities on their passenger trains for doing an express business to any person, firm or company, for any less sum per day guaranteed, or with any greater weight allowed therefor, in either direction, than is herein required of and secured to the Adams Express Company.

V. It is mutually understood that the baggage of passengers, and *live stock* shall not be considered as express matter.

VI. Said Adams Express Company further agrees that they will not hold said railroad companies liable for any loss or damage to freight by fire, or loss or damage from any other cause, except through the gross negligence on the part of the said railroad companies, their agents or servants.

VII. Said railroad companies reserve the right to dismiss any of the employes of said express company for misconduct or want of civility, in the discharge of their duties, when on their roads.

VIII. Said Adams Express Company further agree that they will not detain the trains of said railroad companies, to receive or discharge the freight of said express company.

IX. This contract to take effect on the first day of November, A.D. 1865, and continue

until the first day of January, A.D. 1868, and thereafter until either party gives three months' notice to the other party, of their desire to terminate the same.

In testimony whereof the said railroad companies, by their respective Superintendents, and the said express company, by its Superintendent, have subscribed to the agreement on the date therein before first mentioned.

The Pittsburgh, Columbus and Cincinnati R. R. Co.,
By JOHN DURAND, Gen. Superintendent.
Little Miami and Columbus and Xenia R. R. Co.,
By E. W. WOODWARD, Superintendent.
The Adams Express Company,
By ALFRED GAITHER, Superintendent.

This memorandum of agreement, made and concluded this first day of November, A. D. 1865, between the Pittsburgh, Columbus and Cincinnati Railroad Company, party of the first part, and the Adams Express Company, party of the second part, witnesseth:

That, whereas, the party of the first part, in conjunction with the Little Miami and Columbus and Xenia Railroad Company, have executed a contract bearing even date herewith, with the party of the second part hereto, for facilities for the transaction of an express business between Pittsburgh and Cincinnati, in which rates are specified as the compensation to be paid by said party of the second part, for such facilities; and, whereas, it was contemplated and agreed that said second party should be subject to a further charge on the part of the first party hereto, for the use of the Steubenville bridge and the track between Birmingham and Pittsburgh; therefore, the party of the second part agree and bind themselves to pay unto the party of the first part, for the use of said bridge and track, such rates as hereafter may be definitely fixed and determined as the compensation for that particular use or service on the general business passing over said bridge and track. This obligation to date from this day, and payment of all arrearages on this account to be made whenever the rate as aforesaid shall have been definitely fixed. It is also agreed that the express business done on the local or accommodation train, run between Pittsburgh and Steubenville, shall not be included in the business provided for under the contract between the parties herein referred to, but shall be separate and distinct, and subject to a charge to be hereafter agreed upon.

In testimony whereof the said Railroad Company, by its Superintendent, and the said Express Company, by its Superintendent, have subscribed to this agreement on the date therein first mentioned.

The Pittsburgh, Columbus and Cincinnati R. R. Co.,
By JOHN DURAND, Gen'l Superintendent.
The Adams Express Company,
By ALFRED GAITHER, Superintendent.]

What freight or transportation companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

See report of 1867.

[*Agreement between the Steubenville and Indiana R. R. Company and Union Transportation and Insurance Company.*

This memorandum of agreement, made this 22d day of January, 1864, between the Steubenville and Indiana Railroad Company, of the first part, and the Union Transporta-

tion and Insurance Company, of the State of Pennsylvania, of the second part, witnesseth :

First. The party of the first part agrees to furnish unto the party of the second part, prompt transportation between the cities of Columbus and Steubenville, in either direction, for all merchandise or other freight controlled by said parties of second part, and to move the same without any avoidable delay, at Columbus or Steubenville, or intermediate points on their road.

The party of the first part further agrees to furnish depot facilities for, and promptly load and unload such merchandise and freight, and accommodations for the clerical or other force that may be employed by the party of the second part in the transaction of its business under this agreement, assuming all the liabilities of common carriers on the merchandise and freight thus transported, except as to "*short freight*," for which latter they shall not be liable, unless it shall be shown that the same was lost while the car or cars containing it was in their custody.

Second. It is mutually agreed that the contents of each loaded car transported westward under this agreement, shall be estimated at sixteen thousand (16,000) pounds in weight, composed of five thousand (5,000) pounds of first class, forty-two hundred and fifty (4,250) pounds of second class, forty-two hundred and fifty (4,250) pounds of third class, and twenty-five hundred (2,500) pounds of fourth class freight; and that the sum produced on that amount of freight thus classified, and at the proportion of the through rates between New York and Columbus (as may be current from time to time), due to the line between Steubenville and Columbus, on freight destined to Columbus, or to points west or south thereof respectively, shall be the rate per car to be charged by the parties of the first part, for the service to be performed by them. And it is further mutually agreed, that in the transportation of eastward bound freight under this agreement, a car shall be estimated at sixteen thousand (16,000) pounds in weight, composed of fourth class freight, or such other classes as may be found, from time to time, just and proper; and the sum produced on that amount of freight thus classified, and at the proportion of the through rates thereon as may be current from time to time between the point of shipment, whether at Columbus or points west or south thereof, and New York, due to the line between Columbus and Steubenville, shall be the rate per car, to be charged by the party of the first part for that service. To the payment of the rates thus determined, the party of the second part hereby binds itself.

Third. It is agreed on the part of the party of the first part, that in the event of their inability to furnish the cars required for the prompt transaction of the business to be done under this agreement, the party of the second part may put on their own cars for that purpose; and in the event of cars being put on by the party of the second part, they shall thereafter remain permanently in this trade, and the party of the first part shall maintain in good condition, while on their road, the cars thus put on, provide the necessary depot and siding facilities for their accommodation, care for them in all respects as for their own cars, and pay for their use at the rate of two (2) cents per mile run. It being mutually agreed that they shall not be used by the party of the first part for any other than the purposes of this agreement.

Fourth. This agreement to continue and remain in force for the period of seven years from the first day of February, 1864, and to be terminated at the end of that period by six months' notice in writing, previously given by either party to the other of a desire for such termination.

In witness whereof, ——— ———, President of the Steubenville and Indiana Railroad

Company, party of the first part, and Wm. Thaw, President of the Union Transportation and Insurance Company, party of the second part, hereunto subscribe their names this twenty-fourth day of January, 1864.

For party of the first part :

THOMAS L. JEWETT, Receiver, and
THOMAS L. JEWETT, President,
Steubenville and Indiana Railroad Company.

Witness, as to T. L. JEWETT, Receiver and President,
M. C. SPENCER:

For the party of the second part :

WM. THAW, President,
Union Transportation and Ins. Company.

As to WM. THAW, President,
WM. M. HERSH.

By virtue of a resolution passed by the Board of Directors of this company, of date March 30th, 1867, the within contract is extended for the period of ten years, with this modification, namely: "It is mutually agreed between the parties hereto, that the rate per mile for the use of cars is to be reduced from two cents per mile to one and a half."

Steubenville and Indiana Railroad Company,
By THOMAS L. JEWETT, President.

Attest: J. G. MORRIS, Secretry.

WM. THAW, President,
Union R. R. & T. Co., formerly U. T. & Ins. Co.]

Attest: W. H. BURNEY, Secretary.

SLEEPING CARS.

Do you run sleeping cars on your road ; and if so, by whom are they owned, and on what terms are they run ?

Owned by Pullman Palace Car Company ; they furnish the cars and renew bedding and upholstery, and receive the pay for use of berths.

The railroad company keep the cars in running order, and have the use of them for their passengers.

What are the sleeping-car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates ?

Single, \$1.50 ; double, \$2.00 ; section, \$4.00.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation ; and to what classes of persons besides officers and employes of the company is free transportation granted ?

We have no fixed rules on the subject ; keep no record of free transportation on our road ; and cannot state the amount in dollars it would have yielded, had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Thomas A. Scott.....	Philadelphia, Pa.
George B. Roberts	"
Josiah Bacon.....	"
Samuel T. Canby.....	"
H. H. Houston.....	"
Wm. Thaw	Pittsburgh, Pa.
Thomas L. Jewett.....	Steubenville, O.
Joseph Means.....	"
Chauncey Dewey.....	Cadiz, O.
George W. Adams.....	Dresden, O.
D. S. Gray.....	Columbus, O.
J. N. McCullough.....	Wellsville, O.
Robert Sherrard, Jr.....	Steubenville, O.
Thomas A. Scott, President.....	Philadelphia, Pa.
Wm. Thaw, Vice President.....	Pittsburgh, Pa.
J. N. McCullough, General Manager.....	"
Thomas D. Messler, Comptroller.....	"
John E. Davidson, Auditor.....	"
M. C. Spencer, Treasurer.....	"
J. G. Morris, Secretary.....	Steubenville, O.
J. D. Laying, Assistant General Manager.....	Pittsburgh, Pa.
John Durand.....	} Superintendents.....Columbus, O.
D. W. Caldwell.....	
M. J. Becker, Engineer	Steubenville, O.
F. R. Myers, General Ticket Agent.....	Pittsburgh, Pa.
Wm. Stewart, General Freight Agent	"

[Report duly subscribed and sworn to September 12th, 1871, by Thomas D. Messler, Comptroller, before Thomas M. Blair, Notary Public in and for Allegheny county, Pennsylvania.]

ANNUAL REPORT

OF THE

COLUMBUS, CHICAGO AND INDIANA CENTRAL RAILWAY COMPANY.

For the year ending June 30, 1871.

[The road of this company is leased to and operated by the Pittsburgh, Cincinnati and St. Louis Railway Company; and its characteristics and operations for the year are included in the report of that company.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$15,000,000 00
The amount of capital stock issued (common).....	\$13,037,832 60
The amount of capital stock of old companies still unex- changed	*151,504 76
Total amount of stock.....	\$13,189,337 36
Increase of stock since June 30, 1870.....	202,060 60
Amount of stock per mile of road (582 miles)	22,662 09
Proportion of stock for Ohio, according to miles of road in the State, (136 miles)	3,082,044 24

DEBTS.

The amount of funded debt (giving classes) as follows :

1st mortgage bonds†	\$15,344,750 00
2d mortgage bonds†	4,346,400 00
Income bonds†	1,350,174 00
Convertible mortgage bonds†	3,055,000 00
Total amount of funded debt.....	\$24,096,324 00
Increase of funded debt since June 30, 1870.....	4,623,150 00
The amount of floating debt, (that is, debt not secured by mortgage).....	16,571 25
Decrease of floating debt since June 30, 1870.....	806,141 75
Total amount of funded and floating debts.....	\$24,112,895 25

* This was not reported last year.

† These being bonds of the different companies composing the present company, consisting of about a dozen mortgages, we are unable to give maturity of each.

Increase of funded and floating debt since June 30, 1870.....	\$3,817,008 25
Amount of debt per mile of road, (582 miles).....	41,431 09
Proportion of debt for Ohio, according to miles of road in the State, (136 miles)	5,634,628 24
Total amount of stock and debt.....	37,302,232 61
Total amount of stock and debt per mile (582 miles).....	64,093 18
Total amount of stock and debt for Ohio, (136 miles).....	8,716,672 48

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871.....	\$36,850,644 98
Cost of road and equipment per mile, (582 miles).....	63,317 26
Proportion of cost of road and equipment for Ohio, according to miles of road in the State, (136 miles).....	8,611,147 36

RECEIPTS FROM RENTAL AND PAYMENTS FOR THE YEAR ENDING JUNE 30, 1871.

The statement from the lessees (P. C. & St. L. Ry. Co.) showing the amount of rental due this company, and the disbursements under the lease, for the past year, not having as yet been received, the payments of interest, &c., cannot be accurately given. Hereafter it is intended that the adjustment of accounts shall be made in time, that there may be a full compliance with the requirements of the law.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
Wm. D. Thompson.....	New York.
F. R. Fowler.....	"
William Whiteright, Jr.....	"
W. R. Fosdick.....	"
James A. Roosevelt.....	"
Adrian Iselin.....	"
Robert Winthrop.....	"
Joseph T. Thomas.....	Philadelphia, Pa.
John J. Newman.....	Indianapolis, Ind.
J. N. Converse.....	Union City, Ind.
B. E. Smith.....	Columbus, Ohio.
William Dennison.....	" "
James Alexander.....	" "
John Gardiner.....	Norwalk, Ohio.
Thomas Whiteridge.....	Baltimore, Md.
B. E. Smith, President.....	Columbus, Ohio.
Gordon Moodie, Secretary and Treasurer.....	" "

[Report duly subscribed and sworn to by B. E. Smith, President, before T. J. Janney Notary Public in and for Franklin county, Ohio, August 4, 1871.]

ANNUAL REPORT

OF THE

LITTLE MIAMI RAILROAD COMPANY,

For the year ending June 30, 1871.

[The following report embraces the stock, debts, cost of road, and dividends and interest paid, of the Little Miami, Columbus and Xenia and Dayton and Western Railroad Companies, and the names and residence of the directors and officers of the two companies first named. The roads of all these companies are leased to the Pittsburgh, Cincinnati and St. Louis Railway Company, and their characteristics and operations for the year are included in the report of that company.]

Prior to the lease of these roads to the P. C. & St. L. R'y Co., they were all under the management of the Little Miami R. R. Co., that company being the lessee of the roads of the other companies. The roads were operated as one line—the "Little Miami Railroad and Branches"—that part of the L. M. R. R. proper, extending from Cincinnati to Xenia, with the Columbus and Xenia Railroad, extending from Xenia to Columbus (forming a continuous line from Cincinnati to Columbus), being known as the main line, and that part of the L. M. R. R. extending from Xenia to Springfield, the road from Xenia to Dayton (old Dayton, Xenia and Belpre R. R. purchased by the L. M. R. R. Co.), and the Dayton and Western railroad, extending from Dayton to a point on the western State line, with a portion of the Richmond and Miami Railway, extending from said point on said State line to Richmond, Indiana, (leased to the D. & W. R. R. Co., and by it sub-leased to the L. M. R. R. Co.,) being known as branches. The Little Miami R. R. Co., as the lessor of all these roads to the P. C. & St. L. R'y Co., receives the entire rental therefor, and is responsible to the other companies for their proportion of the same. Hence this report, embracing all the companies, as to the items named, is made under the head of the *Little Miami Railroad Company*.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized—

Little Miami R. R. Co.....	\$5,000,000 00	
Columbus and Xenia R. R. Co.....	1,800,000 00	
		\$6,800,000 00

The amount of capital stock paid in—

Little Miami R. R. Co.....	4,105,750 00	
Columbus and Xenia R. R. Co.....	1,786,200 00	
Total amount of stock.....		\$5,891,950 00

Increase of stock since June 30, 1870 (all L. M.)	500 00
Amount of stock per mile of road (154½ miles)	38,135 59

[NOTE.—The 154½ miles used in making apportionment per mile comprises only the length of the Little Miami R. R. and branch from Xenia to Dayton, and the Columbus and Xenia R. R. The length of the Dayton and Western R. R. is omitted for the reason that its stock is sunk.]

DEBTS.

The amount of funded debt, (giving classes,) as follows:

L. M. R. R. Co. 1st mortgage bonds (due May 2, 1883)	\$1,480,000 00
Loan from city of Cincinnati (due December 31, 1880).....	100,000 00
C. & X. R. R. Co. 1st mortgage bonds (due Sept. 1, 1890) ...	302,000 00
D. & W. R. R. Co. 1st mortgage bonds due Jan. 1, 1905) ...	679,000 00

Total amount of funded debt	\$2,561,000 00
The amount of floating debt (that is, debt not secured by mortgage) (included in report of lessee, P. C. & St. L. R'y Co.) .....	.....
Amount of debt per mile of road (192 miles).....	13,338 54
Total amount of stock and debt.....	\$8,470,950 00
Total amount of stock and debt per mile (154½ and 192 miles)	51,474 19

AS TO COST OF ROAD (ESTIMATED).

Cost of construction and right of way of Little Miami Railroad	\$3,957,517 17
Cost of construction and right of way of Columbus and Xenia Railroad..	1,493,145 99
Cost of construction and right of way of Dayton and Western Railroad..	850,000 00
Cost of construction and right of way of D. X. & B. (Dayton and Xenia Branch) Railroad.....	600,000 00

Total cost of entire construction and right of way	\$6,900,663 16
Cost of road per mile (192 miles).....	35,940 95

[All equipment used on the road is furnished by the P. C. & St. L. Railway Co. lessee.]

RECEIPTS FROM RENTAL, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

Assumed and paid by lessee, interest on bonds, tax on dividends, rental of R. & M. R'y, etc.....	\$196,179 52
Little Miami Co. received for rental of its road and ½ interest in branches.	\$337,104 00
Columbus and Xenia Co. received for rental of its road and ½ interest in branches	142,896 00
Columbus and Xenia Co., from miscellaneous income	7,144 80
Total	\$683,324 32

PAYMENTS.

The following payments, not chargeable to operating expenses, have been made within the year ending June 30, 1871:

Paid by P. C. & St. L. R'y Co.—

Interest on bonds—Little Miami	\$94,000 00
“ “ Dayton and Western	47,530 00
“ “ Columbus and Xenia.....	21,140 00

Rental Richmond and Miami Railway	\$5,500 00	
Tax on dividend L. M. R. R. Co.	8,211 50	
Tax on 8 per cent. of dividend C. & X. R. R. Co.	3,572 40	
Sundries not itemized	16,225 62	
		\$196,179 52
Little Miami, dividend on stock, 8 per cent—amount	\$328,460 00	
“ current expenses	8,644 00	
		337,104 00
Columbus and Xenia, dividend on stock, 8 2-5 per cent—amount		150,040 00
Total		\$683,324 32

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

LITTLE MIAMI R. R. CO.

Directors.

Jos. C. Butler, Cincinnati, Ohio.
 Chas. P. Cassilly, “ “
 W. H. Clement, Morrow, “
 Edmund Dexter, Cincinnati, Ohio.
 Henry Hanna, “ “
 L. B. Harrison, “ “
 H. J. Jewett, Columbus, “
 Richard Lewis, Cincinnati, “
 Henry C. Spencer, “ “
 John Bacon, Springfield, “
 Abram Hivling, Xenia, “
 Joseph R. Swan, Columbus, “

H. J. Jewett, President, Columbus, Ohio.
 Chas. P. Cassilly, Sec'y, Cincinnati, “

COLUMBUS & XENIA R. R. CO.

Directors.

J. R. Swan, Columbus, Ohio.
 H. J. Jewett, “ “
 P. W. Huntington, Columbus, Ohio.
 Robt. Neil, Columbus, Ohio.
 H. C. Noble, “ “
 R. A. Harrison, London, Ohio.
 Abram Hivling, Xenia, “
 Henry Hanna, Loveland, “
 J. C. Butler, Cincinnati, “
 C. P. Cassilly, “ “
 Joseph Hutcheson, Columbus, Ohio.
 Baldwin Gwynne, “ “

Jos. R. Swan, President, Columbus, Ohio.
 Cyrus Fay, Sec'y and Treas., “ “

[Report duly subscribed and sworn to by H. J. Jewett, President, before Jno. H. Dynes, Clerk to Commissioner of Railroads and Telegraphs, October 10, 1871.]

ANNUAL REPORT

OF THE

PITTSBURGH, FORT WAYNE AND CHICAGO RAILWAY COMPANY,

For the year ending June 30, 1871.

[On the 1st of April, 1871, the Pennsylvania Company assumed the operating of this railway, under the lease to the Pennsylvania Railroad Company.

The Pennsylvania Company is a corporation existing under a charter from the State of Pennsylvania, to which, by an arrangement with the Pennsylvania Railroad Company, was transferred, April 1st, 1871, the control and operation of the lines of railroads west of Pittsburgh, in which the Pennsylvania Railroad Company has hitherto been interested.

The organization of the Pennsylvania Company is as follows :

Thomas A. Scott, President.....	Philadelphia, Pa.
William Thaw, Vice President.....	Pittsburgh, Pa.
J. N. McCullough, General Manager.....	"
Thos. D. Messler, Comptroller.....	"
Wm. P. Shinn, General Agent.....	"
J. P. Farley, Auditor.....	"
Wm. H. Barnes, Secretary and Treasurer.....	"
J. P. Henderson, Cashier.....	"
Wm. Stewart, General Freight Agent.....	"
F. R. Myers, General Ticket Agent.....	"
Wm. Mullins, General Purchasing Agent.....	"
F. Slataper, Chief Engineer.....	"

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$19,714,285 71
The amount of capital stock is capitalized so as to absorb the rental under the lease in dividends at 7 per cent. per annum.	
Total amount of stock.....	19,714,285 71
Amount of stock per mile of road (468 3-10 miles).....	42,097 55
Proportion of stock for Ohio, according to miles of road in the State (251 3-10 miles)	10,579,114 30

DEBTS.

The amount of funded debt, (giving classes,) as follows :

1st mortgage bonds (due July 1, 1912)	\$5,250,000
2nd mortgage bonds (due July 1, 1912).....	5,160,000
3d mortgage bonds (due July 1, 1912).....	2,000,000
O. & P. R. R. Bridge bonds (due May 1, 1876).....	153,000
P. & Ft. W. & C. R. R. Construction bonds (due May 1, 1887)	100,000
Equipment bonds (due March 1, 1874)	1,000,000

Total amount of funded debt \$13,663,000 00

The amount of floating debt (that is, debt not secured by mortgage) 17,229 62

Decrease of floating debt since June 30, 1870..... 1,000 00

Total amount of funded and floating debts\$13,680,229 62

Decrease of funded and floating debt since June 30, 1870 1,000 00

Amount of debt per mile of road, (468 3-10 miles) 29,212 53

Proportion of debt for Ohio, according to miles of road in the State,
(251 3-10 miles)..... 7,341,108 79

Total amount of stock and debt 33,394,515 33

Total amount of stock and debt per mile, (468 3-10 miles) 71,310 09

Total amount of stock and debt for Ohio, (251 3-10 miles)..... 17,920,225 61

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871 \$24,926,440 57

Cost of road and equipment per mile, (468 3-10 miles) 53,227 50

Proportion of cost of road and equipment for Ohio, according to miles of
road in the State, (251 3-10 miles)..... 13,376,070 75

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF ENTIRE LINE.

Total length of entire line and branches :

Main line	468 3-10 miles.
Branches	35 "

Total..... 503 3-10 miles.

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron..... 251 3-10 miles.

Length of branches (naming each branch) stating whether they have
single or double track, as follows :

(Leased) Lawrence Branch, single track 14 4-10 "

Aggregate length of sidings and other tracks not above enumerated 68 5-10 "

Total length of iron embraced in preceding heads 334 2-10 miles.

How much of the road in Ohio is ballasted, and with what material ?

The whole, with gravel.

None of the road has been ballasted since June 30, 1870.

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State ?

Cleveland & Pittsburgh R. R., at Alliance.

Cleveland, Mt. Vernon & Delaware R. R., at Orville.

Atlantic & Great Western Railway, at Mansfield.

Cleveland, Columbus, Cincinnati & Ind. R. R., at Crestline.

Cincinnati, Hamilton & Dayton R. R., at Lima.

Cincinnati, Sandusky & Cleveland R. R., at Forest.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March, 24, 1860 ?

Yes, on the time tables.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet:

Number 39

Aggregate length 3,926 feet.

Number of iron bridges, and aggregate length in feet:

Number 12

Aggregate length 785 feet.

The greatest age of wooden bridges 11 years.

The average age of wooden bridges 6½ years.

The number and kind of new bridges built within the year (ending June 30, 1871), and length in feet:

Bridge.	Kind.	Whether wood, stone or iron.	Length in in feet.	When built— date.
Sippo Run.....	Girder	Iron	38	December, 1870.
Priest Run	Girder	Iron	24	August, 1870.
Blanchard	Pratt Truss.....	Iron	70	January, 1871.

FENCING IN OHIO.

The length of road unfenced on either side [both sides], and the reason therefor.

Sixteen miles, now being built.

Length of road fenced within the past year (ending June 30, 1871,) and cost per rod.

Fourteen miles, at \$1.60 per rod.

The land owner is obligated to fence no portion of the line.

EQUIPMENT.

Number of locomotives 223

Number of passenger cars..... 119

Number of express and baggage cars 54

Number of freight cars 3,334

Number of other cars 56

Total number of persons employed in operating the road in Ohio..... 2,042

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	50
Average rate of same, including stops	35
The highest rate of speed allowed by mail and accommodation trains when in motion	30
Average rate of same, including stops	20
The highest rate of speed allowed by freight trains when in motion	15
Average rate of same, including stops	11

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First class.	Second class.	Third class.
	Cents.	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried	5	.....	.....
Highest rate per mile for distances more than 5 and less than 15 miles	4	.....	.....
Highest rate per mile for distances more than 15 and less than 30 miles	3½	.....	.....
Highest rate per mile for distances more than 30 and less than 50 miles	3½	.....	.....
Highest rate per mile for distances more than 50 and less than 100 miles	3½	.....	.....
Highest rate per mile for the whole length of the main road in Ohio	3½	.....	.....
Highest rate per mile for <i>through</i> passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State	3	2	1½
General average rates, 3½ cents .....	.....	.....	.....

FREIGHT.

The rate per ton per mile charged for the various classes of fr't—through and local.	First class.	Second class.	Third class.	Fourth class.	Fifth class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried	34	34	34	30	25
Highest rate per ton per mile for distances of more than 5 and less than 15 miles ..	9	9	8½	8	7
Highest rate per ton per mile for distances of more than 15 and less than 30 miles ..	5	5	4½	4	3½
Highest rate per ton per mile for distances of more than 30 and less than 50 miles ..	5	4½	4	4	3
Highest rate per ton per mile for distances of more than 50 and less than 100 miles ..	5	4½	4	3½	3
Highest rate per ton per mile for the whole length of the main road in Ohio	4	3½	3	2½	2
Highest rate per ton per mile for through freight, that is, freight passing from and over the line to points on the lines of other companies, or points beyond the State	3	2½	2 3-10	1 6-10	1½
General average rates	5	4	3½	3	2

Have you adopted the provisions of the "Act regulating the charges for transportation of freight upon railroads within the State," passed April 26, 1871?

Yes, as far as practicable.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID, AND STEEL RAIL IN USE.

The length of re-rolled iron rail laid within the year..... 46 miles.

How much steel rail have you, and how long laid { Length, 4 miles..... 2½ "
How long laid, 5 yrs. 4 years.

What is the relative durability and value of steel rails compared with iron, as used on your road?

The cost is about double, and will last about three times as long as iron rails.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	1,679,554
The number of miles run by locomotives hauling freight trains.....	4,004,497
The number of miles run by locomotives hauling construction and other trains not named above.....	317,249
Total mileage of locomotives.....	6,001,300

CARS.

The number of miles run by passenger cars.....	5,479,658
The number of miles run by express and baggage cars.....	2,334,950
The number of miles run by freight cars.....	47,750,768
The number of miles run by caboose cars.....	2,886,414
Total mileage of cars.....	58,451,790

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	1,938,501
Total miles traveled by passengers, or number of passengers carried one mile	88,885,341
Average number of miles traveled by each passenger carried.....	46
Average amount received from each passenger carried.....	\$1 24
Average amount <i>per mile</i> received from each passenger carried.....	2 7-10 cts.

FREIGHT.

The number of tons of through freight carried.....	682,584
The number of tons of local freight carried.....	1,246,762
Total number of tons, through and local, carried.....	1,929,346
Total number of tons of freight carried one mile.....	368,634,160
Average amount received for each ton of freight carried.....	\$2 76
Average amount <i>per mile</i> received for each ton of freight carried.....	1 4-10 cts.

TONNAGE OF ARTICLES TRANSPORTED.

Articles transported.	Tons.
Coal.....	306,176
Stone and lime.....	301,377
Ores—iron and other, railroad and pig iron, and other iron and castings.....	53,464
Lumber and other forest products.....	144,752
Animals.....	203,407
Grain and flour.....	189,540
Agricultural products, except grain.....	36,261
Provisions.....	84,377
Manufactures.....	420,080
Merchandise and other articles.....	189,812
Total.....	1,929,346

FUEL CONSUMED.

Cords of wood consumed.....	51,111
Tons of coal consumed.....	47,867

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	{ Through..\$1,104,199 59		
	{ Local..... 1,319,376 81	Total.....	\$2,423,576 40
From transportation of freight	{ Through..\$3,788,840 09		
	{ Local..... 2,531,618 27	Total.....	5,320,458 36
From mail.....			93,900 00
From express.....			149,301 00
From all other sources, except increase of capital stock, including rents, etc.....			120,469 18
Total earnings for the year.....			8,107,704 94

OPERATING EXPENSES.

For maintenance of way and structures.....	\$1,000,736 61
For maintenance of cars.....	490,751 76
For motive power.....	1,305,315 46
For conducting transportation.....	1,295,360 19
General expenses, as follows:	

Taxes—State: Ohio.....	\$70,325 35
Pennsylvania.....	13,157 51
Indiana.....	4,072 55
Illinois.....	27,245 71

National.....	39,900 76
Other general expenses.....	49,530 01

Total general expenses.....	204,231 89
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Total operating expenses (being 52 1-10 per cent. of earnings).....	4,296,395
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Net earnings.....	\$3,811,309 03
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AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 468 3-10 miles for entire line, and 251 3-10 miles for Ohio.]

Amount of earnings per mile	\$17,313.05.	Proportion for Ohio....	\$4,350,769 46
“ of operating expenses per mile, 9,174.45.		Proportion for Ohio....	2,305,539 28
“ of net earnings per mile.....	8,138.60.	Proportion for Ohio....	2,045,230 18

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871 :

Interest on bonds.....	\$1,083,800 00	
Tax on same.....	1,025 64	
		\$1,084,825 64
Dividends on common stock, rate per cent. 7. Amount....	\$1,380,000 00	
Tax on same.....	27,004 03	
		1,407,004 03
Applied to sinking fund.....		104,100 00
Construction of new work.....		185,946 31
Additional equipment.....		28,512 21
Additional real estate.....		10,000 00
Total payments in addition to operating expenses.....		\$2,820,388 19
Amount per mile of road, (468 3-10 miles).....		6,022 61
Proportion for Ohio (251 3-10 miles).....		1,513,481 89

ANIMALS KILLED IN OHIO.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871 :

46 Horses, cattle and mules	_____
20 Bulls, oxen and steers	_____
138 Cows and heifers	_____
5 Calves	_____
37 Hogs.....	_____
70 Sheep	_____
316 Totals.....	\$1,761 00

ACCIDENTS TO PERSONS IN OHIO.

A statement of all casualties resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871 :

June 10, 1870. One employe injured (want of caution). T. F. Drake, freight brakeman, climbing up between cars, caught foot between dead-woods; mashed.

July 1, 1870. One passenger injured (want of caution). Katherine Patch, arm fractured by putting it out of window, and striking cattle shute.

July 6, 1870. One person, Basur Wilt, killed; train struck his horse and wagon.

July 8, 1870. One passenger injured (want of caution). — Wilson, jumped from train before it stopped.

July 12, 1870. One person killed. F. Perman, jumped from freight train and tried to get on again.

July 21, 1870. One employe killed (cause beyond his own control). F. Kaizer, by falling between cars.

July 21, 1870. One employe killed (cause beyond his own control). F. Geiser, fell from gravel train.

July 22, 1870. One employe killed (cause beyond his own control). E. F. Dutton, by jumping from train.

July 25, 1870. One employe killed (cause beyond his own control). Isaac Beeson, by falling between train.

July 28, 1870. One person, Peter Newman, injured in attempting to cross track.

August 18, 1870. One person, H. Covert, injured on track (intoxicated).

August 19, 1870. One person killed on track. Peter Wince; engine struck wagon.

August 23, 1870. One employe injured (want of caution). A. W. Oswalt, had hand mashed while coupling cars.

August 26, 1870. One person injured. — Wentz; engine struck wagon.

September 6, 1870. One person, Wm. Foley (small boy), injured on track.

September 6, 1870. One person, — — —, killed; supposed to have been struck by freight train.

September 29, 1870. One employe injured (want of caution). I. A. Wright, hand hurt, coupling.

October 14, 1870. One employe injured (want of caution). R. White, arm broken while under car.

October 24, 1870. One passenger injured (want of caution). — Reavey, jumped from train.

November 7, 1870. One person injured on track. — Barkley, struck by engine; leg crushed.

November 8, 1870. One employe killed (want of caution). Wm. Durk, jumped from train.

November 15, 1870. One employe injured (want of caution). A. McCallester, had leg crushed, coupling cars.

November 17, 1870. One employe killed (want of caution). H. Carham, jumped from train.

November 20, 1870. One passenger injured (want of caution). Unknown, attempting to get on train when in motion.

November 21, 1870. One person killed on track. Unknown, supposed to have been killed in the night.

December 3, 1870. One employe injured (cause beyond his own control). John Forehope, fell off hand-car.

December 14, 1870. One employe injured (cause beyond his own control). Thomas Williams, caught between coal cars.

December 23, 1870. One person killed (walking on track). Leonard Luthe, near Robinson Station.

January 1, 1871. One person injured on track. Mrs. Jack, struck by train.

January 2, 1871. One passenger injured (cause beyond his own control). O. M. Britton, fell off train, hurt his hand.

January 3, 1871. One person injured on track. I. H. Keyl, walked up against engine.

January 15, 1871. One person, unknown, killed on track. Supposed to have been struck by night train.

January 25, 1871. One employe injured (cause beyond his own control). G. Hall, caught between cars while coupling.

January 25, 1871. One employe injured (cause beyond his own control). W. McGuire, caught between cars while coupling.

January 25, 1871. One employe injured (cause beyond his own control). W. Norria, caught between cars while coupling.

January 26, 1871. One employe injured (want of caution). D. Murphy, caught between coal cars.

February 8, 1871. One person, — Morgan, injured; struck by train while on track.

February 9, 1871. One passenger killed (want of caution). Eli Yohn jumped from train.

February 18, 1871. One person injured. Jos. Welsh, struck by engine while walking on track.

February 20, 1871. One person, Z. Cowen, found under bridge injured.

March 2, 1871. One person, Ann Crawford, injured.

March 23, 1871. One employe killed (want of caution). Lawrence Hall, freight brakeman, at Lafayette, by falling under cars.

March 24, 1871. One person, H. Koch, injured, by jumping off train.

March 26, 1871. One person, unknown, injured, by jumping off train.

March 27, 1871. One employe killed (cause beyond his own control). F. Altman, fell off train.

March 31, 1871. One employe injured (want of caution). W. W. Bevington, while coupling.

April 19, 1871. One person, R. Mitchell, trying to get on train, foot injured.

April 22, 1871. One employe injured (want of caution). J. Brace, caught between cars.

April 24, 1871. One employe injured (want of caution). A. Dewhurst, while walking on track.

April 29, 1871. One employe injured (want of caution). Michael Curry, freight brakeman, arm broken, while coupling, at Elida.

May 3, 1871. One person, Jno. Morris, laid down on track; injured.

May 4, 1871. One person, Louis Martin, killed, at Forest, trying to get on to gravel train while in motion.

May 5, 1871. One person, Jason Myers, injured, in helping load baggage.

May 5, 1871. One person, A. Marlin, injured, sitting between cars.

May 6, 1871. One person, Jacob Walls, injured, on trestle works.

May 10, 1871. One person, W. Dressler (boy, 4 years old), killed, at Bucyrus, by running under cars.

May 20, 1871. One person, J. Brandt (boy), ran across track; injured.

May 20, 1871. One person killed. Mary O'Neil, while sitting on track.

May 29, 1871. One person, W. S. Edmunds (boy), killed—playing about cars.

May 30, 1871. One person, F. Myers, injured; had right leg cut off.

June 7, 1871. One employe injured (want of caution). J. H. Reisty, hand caught between cars.

June 10, 1871. One employe injured (want of caution). Andrew Warren, laborer, shoulder dislocated trying to get on to gravel train.

June 11, 1871. One employe injured (cause beyond his own control). Thos. Cummings, by falling between cars.

June 28, 1871. One person, H. Geddis, killed, crossing before train, in wagon.
 June 28, 1871. One person, W. Geddis, injured, crossing before train, in wagon.
 June 29, 1871. One employe injured (cause beyond his own control). J. Kennedy while coupling cars.

Total killed—

Passenger	1
Employes	8
Others	12
	— 21

Total injured—

Passengers	5
Employes	19
Others	21
	— 45

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc. ?

Answer in former report.

[Union Line Express Company.

The Pittsburgh, Fort Wayne and Chicago Railway Company agree to carry for the Union Line Express Company 21,000 pounds of express freight daily, between Pittsburgh and Chicago, for which they are to receive \$300 per day, any excess over this amount to be charged at \$1.50 per 100 pounds.

American Merchants' Union Express Company.

The Pittsburgh, Fort Wayne and Chicago Railway Company agree to carry for the American Merchants' Union Express Company 10,000 pounds of express freight daily, between Pittsburgh and New Castle, Pa., for which they are to receive \$32.50 per day, any excess over the 10,000 pounds daily to be settled by a monthly average, and charged at the rate of 30 cents per hundred pounds.]

What freight or transportation companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc. ?

Answered in former report.

[Union R. R. and Transportation Company, and Empire Transportation Company.

The transportation companies are to establish and maintain, at their own expense, independent and efficient agencies in the principal cities of the East and West, and generally to co-operate with the officers of the company in establishing the line in public favor, furnish their own cars and keep them in repair, subject to the approval of the car inspector of the railway company, pay all expenses, including loss and damage of freight connected with the shipment and delivery of freight, and pay to the railway company certain specified rates, which rates are based upon an average of the prevailing rates charged by the railway company for similar freight.

The railway company pay to the transportation companies three mills per ton per mile in one case, and two cents per mile per car in the other, for the use of their cars, and have a general supervision of the rates and the business.]

SLEEPING CARS.

Do you run sleeping cars on your road ; and if so, by whom are they owned, and on what terms are they run ?

We do, owned by the Pullman Palace Car Company. The Railway haul the cars, and keep the outside in order.

What are the sleeping-car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates ?

\$2.00 per berth ; \$4.00 per section.

FREE TRANSPORTATION.

Have no fixed rules governing the allowance of free transportation ; or to what classes of persons besides officers and employes of the company free transportation is granted.

Keep no record of free transportation on our road ; and cannot state the amount in dollars it would have yielded, had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
G. W. Cass	Pittsburgh, Pa.
Springer Harbaugh	"
J. Edgar Thompson	Philadelphia, Pa.
Thomas A. Scott	"
Kent Jarvis	Massillon, O.
R. R. Springer	Cincinnati, O.
John Sherman	Mansfield, O.
Pliny Hoagland	Fort Wayne, Ind.
Jesse L. Williams	"
William B. Ogden	Chicago, Ill.
J. F. D. Lanier	New York City.
Samuel J. Tilden	"
Louis H. Meyer	"
G. W. Cass, President	Pittsburgh, Pa.
F. M. Hutchinson, Secretary and Treasurer	"

[Report duly subscribed and sworn to September 16, 1871, by G. W. Cass, President, before Thos. M. Blair, Notary Public in and for Allegheny county, Pa.]

ANNUAL REPORT

OF THE

ROCKY RIVER RAILROAD COMPANY,

For the year ending June 30, 1871.

[ROAD ALL IN OHIO.]

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized.....	\$80,000 00
The amount of capital stock paid in (common).....	75,862 75
Increase of stock since June 30, 1870.....	1,087 67
Amount of stock per mile of road, (5 53-100 miles).....	13,718 40

DEBTS.

The amount of funded debt, (giving classes), as follows:	
1st mortgage bonds, (due October 1st, 1873).....	\$30,000 00
The amount of floating debt, (that is, debt not secured by mortgage)....	3,662 50
Decrease of floating debt since June 30, 1870.....	1,631 82
Total amount of funded and floating debts.....	\$33,662 50
Amount of debt per mile of road, (5 53-100 miles).....	6,087 25
Total amount of stock and debt.....	\$109,525 25
Total amount of stock and debt per mile, (5 53-100 miles).....	19,905 65

AS TO COST OF ROAD AND EQUIPMENT.

Cost of construction.....	\$81,400 48
Cost of right of way.....	3,587 90
Cost of equipment.....	18,962 87
All other items embraced in cost not included in the preceding.....	13,866 34
<hr/>	
Total cost of entire road and equipment to this date, June 30, 1871.....	\$117,817 59
Cost of road and equipment per mile (5 53-100 miles).....	21,305 17

AS TO CHARACTERISTICS OF THE ROAD, Etc.

LENGTH OF LINE.

	Miles.
Length of single main track laid with iron.....	5 53-100
Length of sidings and other tracks.....	26-100
Total length of iron.....	5 79-100

How much of the road is ballasted and with what material?

All, with sand and gravel.

CROSSINGS.

What railroads cross or are crossed by your road, at grade?

None. Our road passes under the Lake Shore and Michigan Southern Railway, through a stone arched viaduct, in the township of Brooklyn.

FENCING.

The length of road unfenced on either side [both sides] and the reason therefor.

About 6 miles. Much of our road passes through fruit and vegetable gardens, where the land is tilled to the line of the road, and fences are not necessarily required.

Can you state what proportion of your line the landholder is obligated to fence?

The landholder is obliged to fence but a small proportion, if any.

EQUIPMENT.

Number of locomotives	2
Number of passenger cars.....	5
Number of other cars.....	3
Total number of persons employed in operating the road	7

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion	20
Average rate of same, including stops	12

RATES FOR TRANSPORTATION.

The rate of fare charged for the respective classes per mile [but one class], 3 6-10 cts. [No freight carried.]

DOINGS OF THE YEAR ENDING JUNE 30.

MILEAGE OF LOCOMOTIVES AND CARS.

The number of miles run by locomotives hauling passenger trains, (about*)...	35,000
The number of miles run by passenger cars, (about*).....	40,000

* Although our cars are propelled by steam, the road partakes more of the nature of a street than a common railroad; passengers are received and discharged at any point required or desired. We have regular time tables for different seasons of the year, but frequently vary from them as business demands, some days doubling the amount of trains laid down in the tables. Consequently, the number of miles run by engines and trains cannot be accurately given.

DOINGS IN TRANSPORTATION.

The number of passengers of all classes carried in cars, (about).....	133,000
Average amount received from each passenger carried, (nearly).....	10 cents.

FUEL CONSUMED.

Cords of wood consumed	5
Tons of coal consumed.....	193

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers	\$13,227 72
From all other sources, (except increase of capital stock), including rents, etc.....	73 01
Total earnings for the year.....	<u>\$13,300 73</u>

OPERATING EXPENSES.

For maintenance of way and structures.....	\$595 88
For maintenance of cars	100 14
For motive power, (repairs of engines, fuel, engineers, wipers, oil, etc.).....	3,204 11
For conducting transportation, (superintendent, conductors and brakemen)	1,570 00
General expenses, as follows:	
Taxes—State.....	\$474 45
National	310 89
Interest on floating debt	147 36
Other general expenses	<u>1,848 86</u>
Total general expenses.....	<u>2,781 56</u>
Total operating expenses, (being 62 per cent. of earnings)	\$8,251 69
Net earnings	<u>\$5,049 04</u>

AMOUNTS PER MILE OF ROAD.

[Apportionments made on a basis of 5 55-100 miles.]

Amount of earnings per mile.....	\$2,405 19
Amount of operating expenses per mile.....	1,492 16
Amount of net earnings per mile	913 03

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds.....	\$2,100 00
Tax on same	21 25
Construction of new work	3,227 74
Additional equipment	<u>88 19</u>
Total payments in addition to operating expenses	\$5,437 18
Amount per mile of road (5 53-100).....	983 21

[The excess of payments over net earnings was acquired from sale of land.]

EXPRESS AND TRANSPORTATION COMPANIES.

No express or transportation companies run on this road.

SLEEPING CARS.

No sleeping cars are run on this road.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

No fixed rule. Usually give passes to the proprietors of public houses at Rocky River, and to clergymen of our city.

Keep no record of free transportation on our road, and cannot state the amount in dollars it would have yielded had regular fare or rates been charged.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Elias Sims.....	Cleveland, Ohio.
D. P. Rhodes	"
J. H. Sargent	"
Hiram Barrett.....	"
J. M. Coffinberry.....	"
P. G. Watmough.....	"
S. B. Marshall	"
Elias Sims, President.....	"
Chas. Pease, Secretary	"
J. H. Sargent, Treasurer.....	"
Geo. G. Mulhern, Superintendent.....	"
J. E. Canfield, Engineer.....	"

[Report duly subscribed and sworn to by Elias Sims, President, before Josiah Barber, Notary Public in and for Cuyahoga Co., O., August 15, 1871.]

ANNUAL REPORT

OF THE

TOLEDO, WABASH AND WESTERN RAILWAY COMPANY,

For the year ending June 30, 1871.

The Decatur and East St. Louis R. R. Company was consolidated with this company August 1st, 1870. There are no special terms or condition in the agreement, except that the owners of the D. & E. St. L. & R. R. Co. are placed upon an exact equality with the stockholders of the T. W. & W. R'y. Co.

This company also, on the 8th day of June, 1870, took possession, by agreement, of the track of the Hannibal & Naples R. R. Company, and runs its trains over said track as a branch of this road.

AS TO STOCK AND DEBTS.

CAPITAL STOCK.

The amount of capital stock authorized	\$16,000,000 00
The amount of capital stock paid in :	
Common	\$15,000,000 00
Preferred	1,000,000 00
Total amount of stock	16,000,000 00
Increase of stock since June 30, 1870	7,500,000 00
Amount of stock per mile of road (602 8-10 miles)	26,542 80
Proportion of stock for Ohio, according to miles of road in the State, (75½ miles)	2,003,981 40

DEBTS.

The amount of funded debt, (giving classes,) as follows :	
1st mortgage bonds, (due various times)	\$9,400,000 00
2nd mortgage bonds, (due various times)	5,000,000 00
Mortgage bonds (equipment)	600,000 00
Mortgage bonds (consolidated)	2,700,000 00
Total amount of funded debt	17,700,000 00

Increase of funded debt since June 30, 1870	\$2,700,000 00
Total amount of funded and floating debts.....	17,700,000 00
Increase of funded and floating debt since June 30, 1870	2,700,000 00
Amount of debt per mile of road, (602 8-10 miles).....	29,362 97
Proportion of debt for Ohio, according to miles of road in the State, (75½ miles)	2,216,904 23
Total amount of stock and debt	33,700,000 00
Total amount of stock and debt per mile, (602 8-10 miles).....	55,905 77
Total amount of stock and debt for Ohio, (75½ miles)	4,220,885 63

AS TO COST OF ROAD AND EQUIPMENT.

Total cost of entire road and equipment to this date, June 30, 1871.....	\$33,700,000 00
Cost of road and equipment per mile, (602 8-10 miles)	55,905 77
Proportion of cost of road and equipment for Ohio, according to miles of road in the State, (75½ miles).....	4,220,885 63

AS TO CHARACTERISTICS OF THE ROAD, ETC.

LENGTH OF ENTIRE LINE.

	Miles.
Total length of <i>entire</i> line and branches :	
Main line	476 8-10
Branches.....	154 2-10
Total	631

LENGTH OF LINE IN OHIO.

Length of single main track laid with iron.....	75½
Aggregate length of sidings and other tracks not above enumerated.....	10
Total length of iron embraced in preceding heads.....	85½
How much of the road in Ohio is ballasted, and with what material ?	
Ohio Division, with sand.	
None of the road has been ballasted since June 30, 1870.	

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State ?

Lake Shore and Michigan Southern Railway at Toledo.

Have you established, and do you publish to all the employes on your road, the rules or regulations for stopping engines and trains before reaching these crossings, as prescribed in the act of March 24, 1860 ?

Yes.

BRIDGES AND TRESTLES IN OHIO.

Number of wooden bridges, and aggregate length in feet :	
Number	*4
Aggregate length.....	531½ feet
Number of iron bridges, and aggregate length in feet :	
Number.....	1
Aggregate length.....	677 feet.
Number of wooden trestles, and aggregate length in feet :	
Number.....	†5
Aggregate length.....	1,350 feet.
The greatest age of wooden bridges.....	5 years.
The average age of wooden bridges.....	4 years.
The greatest age of wooden trestles.....	9 years.

The number and kind of new bridges built within the year ending June 30, 1871, and length in feet :

Bridge.	Kind.	Whether Wood, Stone, or Iron.	Length in feet.	When built—date.
Maumee River.....	Pratt Truss...	Iron	677	January, 1871.
Canal Antwerp	Howe Truss ..	Wood	111½	February, 1871.

FENCING IN OHIO.

The length of the road unfenced on either side, [both sides] and the reason therefor :
 Seven and a half miles unfenced, for want of means.
 Length of road fenced within the past year (ending June 30, 1871,) and cost per rod :
 Eighteen and a half miles—average cost, 43c. per rod.
 Cannot state what proportion of line the landholder is obligated to fence.

EQUIPMENT.

Number of locomotives.....	153
Number of passenger cars	45
Number of express and baggage cars.....	34
Number of freight cars.....	2,400
Number of other cars.....	200
Total number of persons employed in operating the road in Ohio.....	638

SPEED OF TRAINS.

	Miles per hour.
The highest rate of speed allowed by express passenger trains when in motion..	25
Average rate of same, including stops.....	22
The highest rate of speed allowed by mail and accommodation trains when in motion	22
Average rate of same, including stops.....	20
The highest rate of speed allowed by freight trains when in motion.....	15
Average rate of same, including stops.....	10

* Former reports as to bridges were incorrect, owing, probably, to classing culverts as bridges.

† Some trestles have been filled since last report.

RATES FOR TRANSPORTATION.

PASSENGERS.

The rate of fare for passengers, charged for the respective classes per mile.	First Class.	Third Class.
	Cents.	Cents.
Highest rate per mile for the shortest distance passengers are carried.....	6	1
Highest rate per mile for distances more than 5 and less than 15 miles.....	4	1
Highest rate per mile for distances more than 15 and less than 30 miles.....	4	1
Highest rate per mile for distances more than 30 and less than 50 miles in Ohio	3½	1
Highest rate per mile for distances more than 50 and less than 100 miles in Ohio	3½	1
Highest rate per mile for the whole length of the main road in Ohio.....	3½	1
Highest rate per mile for <i>through</i> passengers, that is those passing from and over the line to points on the lines of other companies or points beyond the State.....	3½	1
General average rates in Ohio, Indiana and Illinois.....	4	1

FREIGHT.

The rate per ton per mile charged for the various classes of freight—through and local.	First Class.	Second Class.	Third Class.	Fourth Class.	Fifth Class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried.....	40	33	27	22	.....
Highest rate per ton per mile for distances of more than 5 and less than 15 miles.....	28	23	18	16	.....
Highest rate per ton per mile for distances of more than 15 and less than 30 miles.....	16	12	11	9	.....
Highest rate per ton per mile for distances of more than 30 and less than 50 miles.....	13	10	8	7	.....
Highest rate per ton per mile for distances of more than 50 and less than 100 miles.....	9	7	6	5	.....
Highest rate per ton per mile for the whole length of the main road in Ohio.....	9	7	6	5	.....
Highest rate per ton per mile for <i>through</i> freight, that is freight passing from and over the line to points on the lines of other companies or points beyond the State	3	2 3-10	2	1 3-10	1½

Have you adopted the provisions of the "act regulating the charges for transportation of freight upon railroads within this State," passed April 26, 1871? If not, why?

No, because the law is impracticable.

DOINGS OF THE YEAR ENDING JUNE 30.

IRON RAIL LAID, AND STEEL RAIL IN USE IN OHIO.

The length of re-rolled iron rail laid within the year.....	13 9-10 miles.
The length of spliced and mended iron rail laid within the year.....	12 miles.
How much steel rail have you, and how long laid... {	Length 4½ "
	How long laid..... 1½ years.

What is the relative durability and value of steel rails compared with iron, as used on your road?

Steel rail not been in use sufficient length of time to make a test.

MILEAGE OF LOCOMOTIVES AND CARS.

LOCOMOTIVES.

The number of miles run by locomotives hauling passenger trains.....	1,348,900
The number of miles run by locomotives hauling freight trains.....	3,049,100
The number of miles run by locomotives hauling mixed trains.....	300,000
<hr/>	
Total mileage of locomotives.....	4,698,000

CARS.

The number of miles run by passenger cars.....	2,697,800
The number of miles run by express and baggage cars.....	1,823,350
The number of miles run by freight cars.....	15,245,500
The number of miles run by caboose cars.....	2,849,000
The number of miles run by cars in construction and other trains not named above.....	1,552,100
<hr/>	
Total mileage of cars.....	24,167,750

DOINGS IN TRANSPORTATION.

PASSENGERS.

The number of passengers, of all classes, carried in cars.....	671,675
Average amount received from each passenger carried.....	\$1 85

FREIGHT.

The number of tons of through freight carried.....	338,301
The number of tons of local freight carried.....	721,752
<hr/>	
Total number of tons, through and local, carried.....	1,060,053

TONNAGE OF ARTICLES TRANSPORTED.

No statistics kept.

FUEL CONSUMED.

Cords of wood consumed.....	57,770
Tons of coal consumed	97,824

EARNINGS, OPERATING EXPENSES, Etc., FOR THE YEAR ENDING JUNE 30, 1871.

EARNINGS.

From transportation of passengers...	{ Through.. \$519,210 63		
	{ Local 717,123 96	Total...	\$1,236,334 59
From transportation of freight	{ Through.. 1,284,764 76		
	{ Local 2,209,583 26	Total...	3,494,348 02
From mail			84,718 77
From express.....			90,336 81
From all other sources, except increase of capital stock, including rents, etc.....			207,646 57
<hr/>			
Total earnings for the year.....			5,113,384 76

OPERATING EXPENSES.

For maintenance of way and structures.....	\$1,159,758 42
For maintenance of cars	227,878 85
For motive power	275,814 14
For conducting transportation.....	1,743,544 47

General expenses, as follows:

Taxes—State: Ohio.....	\$19,851 21
Indiana.....	16,444 48
Illinois	46,382 12
National	8,855 40
Other general expenses.....	44,497 46

Total general expenses.....	136,030 67
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Total operating expenses (being 69½ per cent. of earnings).....	3,543,026 55
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Net earnings.....	\$1,570,358 21
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AMOUNTS PER MILE OF ROAD AND PROPORTIONS FOR OHIO.

[Apportionments made on a basis of 631 miles for entire line, and 75½ miles for Ohio.]

Amount of earnings per mile.....	\$8,103 62	Proportion for Ohio..	\$611,823 31
Amount of operating expenses per mile.	5,614 94	Proportion for Ohio..	423,927 97
Amount of net earnings per mile.....	2,488 68	Proportion for Ohio..	187,896 34

ANIMALS KILLED.

The number and kind of farm animals killed and amount of damages paid therefor, within the year ending June 30, 1871:

11 Horses	\$585 00
1 Mule.....	100 00
4 Colts	200 00
4 Oxen	250 00
49 Cows	1,580 00
29 Heifers.....	450 00
4 Calves	39 00
8 Bulls	105 00
21 Steers.....	479 00
131 Totals	3,788 00

PAYMENTS IN ADDITION TO OPERATING EXPENSES.

The following payments, not properly chargeable to operating expenses, have been made within the year ending June 30, 1871:

Interest on bonds.....	\$1,163,296 14
Tax on same	67,877 63
Interest on preferred stock, rate 7 per cent, amount \$1,000,000.....	68,250 00
Tax on same	1,750 00

Lease of other roads (giving name of and amount paid for each) :

C. B. and Q. R. R., 22 miles	\$40,000	
T. P. and W. R. R., 6 miles	10,000	
		50,000 00
Construction of new work.....		330,493 92
Additional equipment.....		946,361 12
Additional real estate.....		3,815 00

Total payments in addition to operating expenses	2,631,843 81
Amount per mile of road, (631 miles).....	4,170 91
Proportion for Ohio, (75½ miles).....	314,903 70

If the foregoing payments exceed the net earnings, as shown on the preceding page, state from what source the surplus was derived.

Surplus derived from stock.

ACCIDENTS.

A statement of all casualties, resulting in injuries to persons, and the extent and cause thereof, within the year ending June 30, 1871.

August 28, 1870. One employe injured, (cause beyond his control.) Frank Duall, engineer; seriously injured by engine and freight train running off the track at Cecil station, Ohio; caused by wood piles on both sides of track on fire, burning ties in track and warping the rail.

August 29, 1870. One employe killed, (want of caution.) A section hand with hand car taking damaged grain from wreck at Cecil to Emerald, for his own use, was run into near Emerald by construction train, hauling sand at night for repairing track at Cecil, damaged by accident.

August 29, 1870. Two employes injured, (want of caution.) Section hands; injured near Cecil by accident just above referred to.

February 20, 1871. One person killed. Balce Malti, an insane man; killed by passenger train near White House at midnight. He was on the track with intent to kill himself, it is supposed.

March 1, 1871. One employe injured, (cause beyond his control.) Wm. Martin, fireman; slightly injured in head; passenger train struck a tree, which had blown down across the track one mile west of Maumee, and throw train off track.

Total killed—

Employes	1
Others	1
	— 2

Total injured—

Employes	4
----------------	---

EXPRESS AND TRANSPORTATION COMPANIES.

What express companies run on your road, and on what terms as to rates, use of track machinery, repair of cars, etc.?

Reported last year. (United States Express Company, \$250 per day.)

What freight or transportation companies run on your road, and on what terms as to rates, use of track, machinery, repair of cars, etc.?

Reported last year. [Red Line; South Shore Line; Empire Line. Compensation is under a contract rate for freight, pro-rata. Railroad company haul their cars, and pay all damages to same caused by them.]

67—EX. DOC. PT. I.

SLEEPING CARS.

Do you run sleeping cars on your road, and if so, by whom are they owned, and on what terms are they run?

Yes. Pullman Sleeping Car Company, who run the cars on their own account, the railroad company doing all the outside repairs.

What are the sleeping car rates per berth, section and state-room, respectively, for the various distances, in addition to your regular passenger rates?

Berths, \$1.50 each 200 miles; or \$3.00 per section and \$5.00 for state-room.

FREE TRANSPORTATION.

Have you any fixed rules governing the allowance of free transportation; and to what classes of persons besides officers and employes of the company is free transportation granted?

No fixed rules. Governed by circumstances.

Do you keep any record of free transportation on your road; and can you state the amount in dollars it would have yielded the past year, had regular fare or rates been charged?

A record is kept, but does not show total figures.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST OFFICE ADDRESS.
Azariah Boody	New York.
A. M. White.....	"
J. H. Knox.....	"
Wm. Kidd	"
A. B. Baylis	"
Augustus Schell.....	"
H. F. Clark	"
Jas. H. Banker	"
S. B. Chittenden	"
W. Colburn	Toledo, Ohio.
J. N. Drummond	"
Geo. Cecil.....	Logansport, Ind.
Amasa Stone, Jr.....	Cleveland, Ohio.
James Spears.....	Lafayette, Ind.
C. M. Smith.....	Springfield, Ill.
A. Boody, President	New York.
J. N. Drummond, Asst. President.....	Toledo, Ohio.
A. Anderson, Vice President.....	"
W. B. Corneau, Secretary and Treasurer	"
Frank Perigo, Cashier and Gen'l Manager.....	"
G. H. Burrows, Superintendent.....	"
J. U. Parsons, General Ticket Agent	"
J. B. Carson, General Freight Agent	"

[Report duly subscribed and sworn to by A. Anderson, Vice President, on the 20th of September, 1871, before N. Harrington, a Notary Public, in and for Lucas county, Ohio.]

TABULATED RESULTS

COMPILED FROM THE FOREGOING

REPORTS OF RAILROAD COMPANIES,

FOR THE YEAR ENDING JUNE 30, 1871.

TABLE A—AS TO STOCK AND DEBTS.

Names of Companies.	CAPITAL STOCK.					
	The amount of capital stock authorized.	The amount of capital stock paid in.	The amount of capital stock subscribed but unpaid.	Total amount of capital stock subscribed, paid and unpaid.	Amount of stock per mile of road.	Proportion of stock for Ohio according to miles of road in the State.
Atlantic and Great Western Railway } *	\$30,000,000 00	\$29,598,695 38	.....	\$29,598,695 38	\$69,450 80	\$17,474,345 70
Cleveland and Mahoning Railroad ..	3,000,000 00	2,056,950 00	.....	2,056,950 00	25,873 58	2,056,950 00
Carrollton and Oneida Railroad ..	(a) 20,000 00	(a) 14,400 00	.....	(a) 14,400 00	(a) 1,200 00	(a) 14,400 00
Central Ohio Railroad ..	3,000,000 00	3,000,000 00	.....	3,000,000 00	21,897 88	3,000,000 00
Sandusky, Mansfield and Newark Railroad } *	1,000,000 00	910,623 00	\$89,377 00	1,000,000 00	7,850 20	1,000,000 00
Cincinnati and Baltimore Railway ..	50,000 00	363,650 00	2,950 00	366,600 00	(b) 51,950 00	366,600 00
Cincinnati, Hamilton and Dayton Railroad ..	3,500,000 00	3,500,000 00	.....	3,500,000 00	58,333 33	3,500,000 00
Dayton and Michigan Railroad ..	2,500,000 00	2,393,145 62	.....	2,393,145 62	16,853 14	2,393,145 62
Cincinnati, Richmond and Chicago Railroad } *	500,000 00	382,600 00	.....	382,600 00	10,627 78	382,600 00
Cincinnati and Indiana Railroad } *	2,000,000 00	500,000 00	1,500,000 00	2,000,000 00	(b) 24,390 25	2,000,000 00
Harrison Branch Railroad ..	20,000 00	200,000 00	.....	200,000 00	26,666 66	200,000 00
Cincinnati and Muskingum Valley Railway ..	4,000,000 00	3,845,815 00	154,185 00	4,000,000 00	27,027 03	4,000,000 00
Cincinnati, Sandusky and Cleveland Railroad } *	4,000,000 00	3,409,596 44	.....	3,409,596 44	19,939 16	3,409,596 44
Columbus, Springfield and Cincinnati Railroad } *	(a) 1,500,000 00	(c)	(c)	(a) 1,500,000 00	(c) 33,333 33	(a) 1,500,000 00
Cleveland, Columbus, Cincinnati and Indianapolis R'y ..	15,000,000 00	11,620,000 00	.....	11,620,000 00	29,718 67	9,123,631 69
Cleveland, Mt. Vernon and Delaware Railroad } *	1,500,000 00	1,165,000 00	225,000 00	1,390,000 00	(d) 10,490 56	1,390,000 00
Massillon and Cleveland Railroad ..	200,000 00	192,255 00	3,895 00	196,150 00	15,692 00	196,150 00
Cleveland and Pittsburgh Railroad ..	7,839,300 00	7,839,300 00	.....	7,839,300 00	39,393 47	7,248,398 48
Columbus and Hooking Valley Railroad ..	1,500,000 00	866,852 25	69,847 75	936,700 00	10,524 72	936,700 00
Dayton and Union Railroad ..	(f)	82,350 00	14,700 00	97,050 00	3,053 80	97,050 00
Iron Railroad ..	500,000 00	129,550 00	.....	129,550 00	9,965 39	129,550 00
Junction (Cincinnati and Indianapolis) Railroad ..	3,779,250 00	3,055,000 00	94,159 00	3,149,159 00	31,491 59	629,831 80
Lake Erie and Louisville Railroad ..	6,000,000 00	1,212,500 00	.....	1,212,500 00	(c) 10,000 00	740,000 00
Lake Shore and Michigan Southern Railway ..	50,000,000 00	34,938,000 00	.....	34,938,000 00	36,318 09	11,588,470 71
Marietta and Cincinnati Railroad ..	14,000,000 00	13,980,080 36	.....	13,980,080 36	(c)	(c)
Marietta and Pittsburgh Railroad ..	1,500,000 00	(f)	(f)	(f)	(c)	(c)
Newark, Somerset and Stratzeville Railroad ..	800,000 00	305,000 00	195,000 00	500,000 00	11,363 64	500,000 00
Niles and New Lisbon Railway ..	500,000 00	500,000 00	.....	500,000 00	14,164 30	500,000 00

Ohio and Mississippi Railway.....	24,030,000 00	24,030,000 00	.....	24,030,000 00	61,145 00	1,194,161 85
Pittsburgh, Cincinnati and St. Louis Railway	5,424,350 00	5,424,350 00	.....	5,424,350 00	26,986 81	4,250,422 57
Columbus, Chicago and Ind. Central Railway	15,000,000 00	13,189,337 36	.....	13,189,337 36	22,662 09	3,082,044 24
Little Miami Railroad.....	5,000,000 00	4,105,750 00	.....	4,105,750 00	38,135 59	4,105,750 00
Columbus and Xenia Railroad.....	1,800,000 00	1,786,200 00	.....	1,786,200 00	.....	1,786,200 00
Dayton and Western Railroad.....	(g) 19,714,285 71	(g) 19,714,285 71	(g)	(g) 19,714,285 71	(g) 42,097 55	(g) 10,579,114 30
Pittsburgh, Fort Wayne and Chicago Railway	80,000 00	75,862 75	.....	75,862 75	13,718 40	75,862 75
Rocky River Railroad.....	16,000,000 00	16,000,000 00	.....	16,000,000 00	26,542 80	2,003,981 40
Toledo, Wabash and Western Railway.....						
Totals	\$245,887,185 71	\$210,387,148 87	\$2,349,113 75	\$214,936,292 62	.....	\$115,432,037 91

* Operated as one line, or by one organization. See reports of companies.
 † Operated by one organization ten months of present year. See reports.
 (a) From report of 1870.
 (b) Apportioned on paid-in stock.
 (c) Amount paid and unpaid not reported; apportionment made on authorized stock.
 (d) Apportioned to 132½ miles (length finished and unfinished).
 (e) For Ohio.
 (f) Not reported.
 (g) Stock sunk.

TABLE A—AS TO STOCK AND DEBTS—Continued.

Names of Companies.	DEBTS.				
	The amount of funded debt.	The amount of floating debt.	Total amount of funded and floating debts.	Amount of debt per mile of road.	Proportion of debt for Ohio, according to miles of road in the State.
Atlantic and Great Western Railway } *	\$23,999,900 00	.....	\$23,999,900 00	(a) \$70,422 30	\$17,711,208 45
Cleveland and Mahoning Railroad ..	1,209,000 00	.....	1,209,000 00	15,207 54	1,209,000 00
Carrollton and Oneida Railroad.....	(b) 200 00	(b) \$200 00	(b) 200 00	(b) 16 66	(b) 200 00
Central Ohio Railroad.....	2,500,000 00	.....	2,500,000 00	18,248 10	2,500,000 00
Sandusky, Mansfield and Newark Railroad } *	2,307,742 00	1,100 00	2,308,842 00	19,903 81	2,308,842 00
Cincinnati and Baltimore Railroad ..	134,000 00	225,502 55	359,502 55	51,357 50	359,502 55
Cincinnati, Hamilton and Dayton Railroad } *	2,032,000 00	.....	2,032,000 00	33,866 67	2,032,000 00
Dayton and Michigan Railroad ..	4,244,500 00	118,835 46	4,363,335 46	30,727 71	4,363,335 46
Cincinnati, Richmond and Chicago Railroad } *	625,000 00	21,294 35	646,294 35	17,952 62	646,294 35
Cincinnati and Indiana Railroad } +	2,000,000 00	.....	2,000,000 00	97,560 98	2,000,000 00
Harrison Branch Railroad	(c) 1,500,000 00	(c) 1,800 00	(c) 1,500,000 00	(c) 10,135 13	(c) 1,500,000 00
Cincinnati and Muskingum Valley Railroad ..	2,419,421 20	1,800 00	2,421,221 20	14,159 19	2,421,221 20
Cincinnati, Sandusky and Cleveland Railroad } *	(d) 3,000,000 00	.....	(d) 3,000,000 00	(d) 7,672 63	(d) 2,355,497 41
Columbus, Springfield and Cincinnati Railroad } ..	1,500,000 00	.....	1,500,000 00	(e) 11,320 75	1,500,000 00
Cleveland, Columbus, Cincinnati and Indianapolis Railroad ..	100,000 00	32,337 57	132,337 57	10,537 00	132,337 57
Cleveland, Mt. Vernon and Delaware Railroad } ..	3,678,000 00	.....	3,678,000 00	18,482 41	3,400,763 44
Massillon and Cleveland Railroad ..	1,800,000 00	143,934 47	1,943,934 47	21,841 96	2,880,634 47
Cleveland and Pittsburgh Railroad.....	527,444 88	12,905 87	540,350 75	17,002 85	540,350 75
Columbus and Hocking Valley Railroad ..	32,000 00	15,949 04	47,949 04	3,688 39	47,949 04
Dayton and Union Railroad.....	2,171,000 00	962,776 00	3,133,776 00	31,337 76	626,755 20
Junction (Cincinnati and Indianapolis) Railroad ..	500,000 00	.....	500,000 00	(f) 13,621 00	500,000 00
Lake Erie and Louisville Railroad ..	24,524,000 00	298,764 41	24,822,764 41	25,803 29	8,931,249 51
Lake Shore and Michigan Southern Railway ..	8,304,447 25	1,681,772 98	9,986,220 23	36,077 38	9,986,220 23
Marietta and Cincinnati Railroad ..	(d) 800,000 00	(d) 18,181 82	(d) 800,000 00	(d) 18,181 82	(d) 800,000 00
Marietta and Pittsburgh Railroad.....	.....	.....	.....	.....	.....
Newark, Somerset and Stratteville Railroad.....	.....	.....	.....	.....	.....

Niles and New Lisbon Railway.....	500,000 00	127,419 71	627,419 71	17,773 93	627,419 71
Ohio and Mississippi Railway.....	6,534,850 00	298,943 47	6,833,793 47	17,388 80	339,603 26
Pittsburgh, Cincinnati and St. Louis Railway.....	10,017,440 24	(g) 2,560,633 08	12,578,073 32	52,454 90	9,037,292 94
Columbus, Chicago and Ind. Central Railway.....	24,096,324 00	16,571 25	24,112,895 25	41,431 09	5,634,628 24
Little Miami Railroad.....	1,580,000 00	(h)	1,580,000 00	{ (i) 13,338 54 }	1,580,000 00
Columbus and Xenia Railroad.....	302,000 00	(h)	302,000 00	{ }	302,000 00
Dayton and Western Railroad.....	679,000 00	(h)	679,000 00	{ }	679,000 00
Pittsburgh, Fort Wayne and Chicago Railway.....	13,663,000 00	17,229 62	13,680,229 62	23,212 53	7,341,108 79
Rocky River Railroad.....	30,000 00	3,662 50	33,662 50	6,087 25	33,662 50
Toledo, Wabash and Western Railway.....	17,700,000 00	.....	17,700,000 00	29,362 97	2,216,904 23
Totals.....	\$171,011,069 57	\$6,541,632 33	\$177,552,701 90	.....	\$95,844,981 30

* Operated as one line or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See reports.

(a) 426 miles.

(b) From report of 1870.

(c) No debt.

(d) Not reported.

(e) 132½ miles finished and unfinished.

(f) Represents 74 miles graded.

(g) Applies to entire line of company, and its leased lines.

(h) Included in P. C. & St. L. Ry.

(i) Includes roads embraced.

TABLE A—AS TO STOCK AND DEBTS.—Continued.

TOTAL STOCK AND DEBT, AND PROPORTION FOR OHIO.			
Names of Companies.	Total amount of stock and debt.	Total amount of stock and debt per mile of road.	Proportion of stock and debt for Ohio, according to miles of road in the state.
Atlantic and Great Western Railway.. *	\$59,598,595 38	(a) \$139,873 10	\$35,185,554 15
Cleveland and Mahoning Railroad	3,265,950 00	41,081 13	3,265,950 00
Carrollton and Oneida Railroad	14,600 00	(b) 1,216 66	(b) 14,600 00
Central Ohio Railroad..... *	5,500,000 00	40,145 98	5,500,000 00
Sandusky, Mansfield and Newark Railroad.. }	3,308,842 00	27,754 01	3,308,842 00
Cincinnati and Baltimore Railway	726,102 55	103,307 50	726,102 55
Cincinnati, Hamilton and Dayton Railroad..... }	5,532,000 00	92,200 00	5,532,000 00
Dayton and Michigan Railroad	6,756,481 08	47,580 85	6,756,481 08
Cincinnati, Richmond and Chicago Railroad	1,028,894 35	28,580 40	1,028,894 35
Cincinnati and Indiana Railroad.. }	4,000,000 00	(c) 121,951 23	4,000,000 00
Harrison Branch Railroad	200,000 00	26,666 66	200,000 00
Cincinnati and Mankinnum Valley Railway	5,500,000 00	37,162 16	5,500,000 00
Cincinnati, Sandusky and Cleveland Railroad	5,830,817 64	34,098 35	5,830,817 64
Columbus, Springfield and Cincinnati Railroad	(d) 1,500,000 00	(d) 33,333 33	(d) 1,500,000 00
Cleveland, Columbus, Cincinnati and Indianapolis Railway	14,620,000 00	37,391 30	11,479,193 10
Cleveland, Mt. Vernon and Delaware Railroad.. }	2,890,000 00	(e) 21,811 32	2,890,000 00
Massillon and Cleveland Railroad	328,487 57	26,279 00	328,487 57
Cleveland and Pittsburgh Railroad	11,517,300 00	57,875 88	10,649,161 92
Columbus and Hoeking Valley Railroad	2,880,634 47	32,366 67	2,880,634 47
Dayton and Union Railroad	637,400 75	20,056 65	637,400 75
Iron Railroad.....	177,499 04	13,653 78	177,499 04
Junction (Cincinnati and Indianapolis) Railroad	6,282,935 00	62,829 35	1,256,587 00
Lake Erie and Louisville Railroad	1,712,500 00	(f) 23,621 00	1,240,000 00
Lake Shore and Michigan Southern Railway	59,760,764 41	62,121 38	19,816,720 22
Marietta and Cincinnati Railroad	23,966,300 59	86,583 45	23,966,300 59
Marietta and Pittsburgh Railroad.....	(g)	(g)	(g)
Newark, Somerset and Straitsville Railroad	1,300,000 00	29,545 46	1,300,000 00
Niles and New Lisbon Railway	1,127,419 71	31,938 23	1,127,419 71
Ohio and Mississippi Railway.....	30,863,793 47	78,533 80	1,533,765 11

Pittsburgh, Cincinnati and St. Louis Railway.....	18,002,423 32	79,441 71	12,512,069 32
Columbus, Chicago and Ind. Central Railway.....	37,302,332 61	64,093 18	8,716,672 48
Little Miami Railroad.....	5,685,750 00	.....	5,685,750 00
Columbus and Xenia Railroad.....	2,088,200 00	(b) 51,474 19	2,088,200 00
Dayton and Western Railroad.....	679,000 00	.....	679,000 00
Pittsburgh, Fort Wayne and Chicago Railway.....	83,394,515 33	71,310 09	17,920,925 61
Rocky River Railroad.....	109,525 25	19,865 65	109,525 25
Toledo, Wabash and Western Railway.....	33,700,000 00	55,905 77	4,220,885 63
	\$391,788,964 52	.....	\$209,564,675 54

* Operated as one line, or by one organization. See reports of companies.

† Operated by one organization ten months of the present year.

See reports.

(a) 426 miles.

(b) As reported 1870.

(c) Paid in stock and debts.

(d) Authorized stock: no debt reported.

(e) On 1324 miles, entire line when completed.

(f) Represents only the 37 miles laid with iron.

(g) Not reported.

(h) Includes roads embraced.

TABLE B.—AS TO COST OF ROAD AND EQUIPMENT, AND TABLE C.—AS TO CHARACTERISTICS OF ROADS, ETC.

Names of Companies.	COST OF ROAD AND EQUIPMENT.		LENGTH OF ROAD—ENTIRE LINE AND BRANCHES.			
	Total cost of entire road and equipment up to June 30, 1871.	Cost of road and equipment per mile.	Proportion of cost of road and equipment for Ohio, according to miles of road in the State.	Total length of entire main line.		Total length of entire main line and branches
				Miles.	1 Miles. 1000	
Atlantic and Great Western Railway } *	(a) \$59,723,844 00 (a)	\$117,800 00 (a)	\$28,978,800 00	(b) 388	(b) 119	(b) 507
Cleveland and Mahoning Railroad } *	3,147,934 24	39,596 65	3,147,934 24	12	.....	12
Carrollton and Oneida Railroad } *	(c) 101,000 00 (c)	8,416 66 (c)	101,000 00	137	.....	137
Central Ohio Railroad } *	5,499,999 26	40,145 98	5,499,999 26	116,250	.....	116,250
Sandusky, Mansfield and Newark Railroad } *	3,219,465 00	27,754 01	3,219,465 00	23,500	.....	23,500
Cincinnati and Baltimore Railway } *	723,152 55	103,307 50	723,152 55 (d)	59,927	.....	59,927
Cincinnati, Hamilton and Dayton Railroad } *	5,320,769 63	88,679 49	5,320,769 63	140,714	.....	140,714
Dayton and Michigan Railroad } *	6,612,015 73	46,563 49	6,612,015 73	36	(e) 6	42
Cincinnati, Richmond and Chicago Railroad } *	947,885 27	26,330 15	947,885 27	20,500	.....	20,500
Cincinnati and Indiana Railroad } *	1,894,477 60	92,413 54	1,894,477 60	7,003	.....	7,003
Harrison Branch Railroad } *	200,000 00	26,666 66	200,000 00	148	.....	148
Cincinnati and Muskingum Valley Railroad } *	(f) 5,500,000 00	37,162 16	5,500,000 00 (g)	155	(g) 15,500	170,500
Cincinnati, Sandusky and Cleveland Railroad } *	5,830,817 64	34,098 35	5,830,817 64	44	.....	44
Columbus, Springfield and Cincinnati Railroad } *	346,000 00	17,300 00	346,000 00	341	.....	391
Cleveland, Columbus, Cin'ti and Indianapolis Ry } *	12,957,974 87	33,140 60	10,174,164 20	(b) 145	.....	145
Cleveland, Mt. Vernon and Delaware Railroad } *	1,641,501 45	.....	1,641,501 45	311,971 88	.....	225,500
Massillon and Cleveland Railroad } *	311,971 88	24,957 75	311,971 88	(i) 192,750	.....	88
Cleveland and Pittsburgh Railroad } *	11,577,789 44	58,179 85	10,706,092 40 (i)	76	13	31,780
Columbus and Hooking Valley Railroad } *	3,165,944 76	35,572 41	3,165,944 76	31,780	.....	13
Dayton and Union Railroad } *	602,594 41	15,961 43	602,594 41	98,400	.....	93,400
Iron Railroad } *	333,283 23	25,637 17	333,283 23	.....	.....	.....
Junction (Cincinnati and Indianapolis) Railroad } *	4,684,580 65	46,645 80	4,684,580 65	.....	.....	.....
Lake Erie and Louisville Railroad } *	1,712,500 00 (j)	23,621 00 (j)	1,275,910 00 (m)	175	(m) 175	175

Lake Shore and Michigan Southern Railway.....	54,808,621 45	56,973 62	18,174,584 78	540	422	962
Marietta and Cincinnati Railroad.....	21,710,312 94	78,433 21	21,710,312 94	190,800	86	276,800
Marietta and Pittsburgh Railroad.....	(l)	(l)	(l)	110	.....	(m) 110
Newark, Somerset and Straitsville Railroad.....	(n)	29,000 00	1,086,500 00	(m)	.....	(m) 44
Niles and New Lisbon Railway.....	1,112,557 55	31,525 70	1,112,557 55	42	2	35,300
Ohio and Mississippi Railway.....	30,863,793 47	78,533 83	1,533,765 70	35,300	.....	35,300
Pittsburgh, Cincinnati and St. Louis Railway.....	17,665,162 93	87,886 38	13,842,104 85	340	53	893
Columbus, Chicago and Ind. Central Railway.....	36,850,844 98	63,317 26	8,611,147 36	.....	.....	.....
Little Miami Railroad (o).....	(p)	(p)	(p)	.....	.....	.....
Columbus and Xenia Railroad.....	(p)	(p)	(p)	(b) 894,500	(b) 54	(b) 978,500
Dayton and Western Railroad.....	(p)	35,940 95	1,493,145 99	.....	.....	.....
Pittsburgh, Ft. Wayne and Chicago Railway.....	(p)	53,227 50	850,000 00	468,300	35	503,300
Rocky River Railroad.....	24,926,440 57	21,305 17	13,376,070 75	5,530	.....	5,530
Toledo, Wabash and Western Railway.....	117,817 59	55,905 77	117,817 59	476,800	154,200	631
Totals.....	33,700,000 00	.....	4,920,885 63	5,464,054	1,072,450	6,536,504
	\$365,778,316 25	.....	\$188,152,405 56	.....	.....	.....

* Operated as one line, or by one organization. See reports of Companies.

† Operated by one organization ten months of present year. See reports.

(a). From report of 1870.

(b). Includes roads embraced.

(c). Original cost.

(d). Length when completed.

(e). In Indiana, leased from Richmond and Miami R'y Co.

(f). As represented by stock and debt.

(g). Includes extension of 16 miles not finished.

(h). From former report, as represented by stock and debt of Columbus and Springfield R. R. Co. prior to sale.

(i). 26 miles leased from P., Ft. W. & C. R'y Co.

(j). 74 miles graded, of which 37 miles is laid with iron.

(k). In addition, the company operates under lease the Jamestown and Franklin R. R., 51 miles.

(l). Not reported.

(m). Proposed length when completed.

(n). Cost as far as completed.

(o). Includes \$600,000 for construction and right of way—Dayton and Xenia Branch.

(p). Estimated cost of construction and right of way—all equipment furnished by lessee, P., C. & St. L. R'y Co.

Lake Erie and Louisville Railroad	37	123	37	17 500	3	40
Lake Shore and Michigan Southern Railroad	196	86	319	276 800	93 500	430
Marietta and Cincinnati Railroad	190 800		25		43	319 800
Marietta and Pittsburgh Railroad	25		24			25
Newark, Somerset and Strattsville Railroad	24		35 300		3 100	24
Niles and New Lisbon Railroad	35 300		19 530		8 330	38 400
Ohio and Mississippi Railroad	19 530				(d) 1 340	29 700
Pittsburgh, Cincinnati and St. Louis Railway (c)						
Columbus, Chicago and Ind. Central Railway	(a) 373 900	(a) 80	(a) 453 900	(a) 27	(a) 85 300	(a) 569 200
Little Miami Railroad						
Columbus and Xenia Railroad						
Dayton and Western Railroad	251 300	14 400	265 700		68 500	334 200
Pittsburgh, Fort Wayne and Chicago Railway	5530		5530		260	5 790
Rocky River Railroad	75 500		75 500		10	85 500
Toledo, Wabash and Western Railway						
Totals	2,956 304	501 310	3,457 614	73 716	622 698	4,302 191

* Operated as one line or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(b) From former reports.

(c) Includes 13 miles private sidings.

(d) In addition, this company owns an undivided half of the C. and O. R. R., between Columbus and Newark, used in common by both companies.

(e) 3 rails.

TABLE C--AS TO CHARACTERISTICS OF THE ROAD--Continued.

BRIDGES AND TRETTLES IN OHIO.									
Names of Companies.	Number of wooden bridges and aggregate length in feet.		Number of iron bridges and aggregate length in feet.		Number of stone bridges and aggregate length in feet.		Number of wooden trestles and aggregate length in feet.		
	No.	Length, ft.	No.	Length, ft.	No.	Length, ft.	No.	Length, ft.	
Atlantic and Great Western Railway } *	(a) 81	(a) 7,466	(a) 4	(a) 346	.....	.....	(a) 1	.....	300
Cleveland and Mahoning Railroad... }	5	302	.....	.....	.....	.....	2	.....	88
Carrollton and Oneida Railroad..... }	64	5,011	2	564	.....	.....	4	.....	667
Central Ohio Railroad..... }	20	2,239	1	86	.....	.....	58	.....	3,402
Sandusky, Mansfield and Newark Railroad..... }	.....	.....	4	(b)	.....	.....	.....	.....	.....
Cincinnati and Baltimore Railway..... }	15	3,465	.....	.....	.....	.....	.....	.....	.....
Cincinnati, Hamilton and Dayton Railroad..... }	17	2,376	.....	.....	.....	.....	.....	.....	.....
Dayton and Michigan Railroad..... }	22	2,476	.....	.....	.....	.....	.....	.....	.....
Cincinnati, Richmond and Chicago Railroad..... }	2	847	.....	.....	.....	.....	.....	.....	.....
Cincinnati and Indiana Railroad..... }	1	230	.....	.....	.....	.....	.....	.....	.....
Harrison Branch Railroad..... }	34	4,096	1	102	.....	.....	46	.....	4,801
Cincinnati and Muskingum Valley Railway..... }	11	1,190	.....	.....	.....	.....	155	.....	2,200
Cincinnati, Sandusky and Cleveland Railroad..... }	(c) 5	(b)	.....	.....	.....	.....	.....	.....	.....
Columbus, Springfield and Cincinnati Railroad..... }	23	2,389	2	116	.....	.....	.....	.....	.....
Cleveland, Columbus, Cincinnati and Indianapolis Railway..... }	17	667	.....	.....	.....	.....	.....	.....	.....
Cleveland, Mt. Vernon and Delaware Railroad..... }	.....	.....	.....	.....	.....	.....	.....	.....	.....
Masillon and Cleveland Railroad..... }	64	5,050	2	278	.....	.....	3	.....	1,610
Cleveland and Pittsburgh Railroad..... }	23	3,112	.....	.....	.....	.....	3	.....	1,600
Columbus and Hocking Valley Railroad..... }	1	142	.....	.....	.....	.....	44	.....	5,034
Dayton and Union Railroad..... }	16	507	1	94	.....	.....	55	.....	1,150
Iron Railroad..... }	3	1,702	.....	.....	.....	.....	.....	.....	.....
Junction (Cincinnati and Indianapolis) Railroad..... }	1	150	.....	.....	.....	.....	2	.....	100
Lake Erie and Louisville Railroad..... }	33	5,294	10	1,130	.....	.....	29	.....	90
Lake Shore and Michigan Southern Railway..... }	53	8,219	3	482	.....	.....	264	.....	2,474
Marietta and Cincinnati Railroad..... }	2	240	.....	.....	.....	.....	17	.....	31,183
Marietta and Pittsburgh Railroad..... }	10	1,440	.....	.....	.....	.....	5	.....	5,000
Newark, Somerset and Stratsville Railroad..... }	.....	.....	.....	.....	.....	.....	.....	.....	1,300

Niles and New Lisbon Railway.....	51	410	1	630	19	2,520
Ohio and Mississippi Railway.....	2	520				
Pittsburgh, Cincinnati and St. Louis Railway.....						
Columbus, Chicago and Ind. Central Railway.....						
Little Miami Railroad.....	(a) 118	(a) 12,046	(a) 3	(a) 283	(a) 16	(a) 1,756
Columbus and Xenia Railroad.....						
Dayton and Western Railroad.....						
Pittsburgh, Fort Wayne and Chicago Railway.....	39	3,926	12	785		
Rocky River Railroad.....	(e) 4	531	1	677	(f) 5	1,350
Toledo, Wabash and Western Railway.....						
	691	76,133	47	5,573	94	6,834
					779	69,104

* Operated as one line or by one organization. See reports of Companies.

† Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(b) Not reported.

(c) From former report.

(d) Viaduct.

(e) Former reports incorrect—culverts probably included.

(f) Some trestles filled since last report.

TABLE C.—AS TO CHARACTERISTICS OF THE ROAD—Continued.

Names of Companies.	BRIDGES AND TRETTLES IN OHIO—Continued.					FENCING IN OHIO.		
	Greatest age of wooden bridges.	Average age of wooden bridges.	Greatest age of wooden trestles.	No.	Kind.	Length, ft.	The length of road unfenced on both sides.	The length of new fence built within the year, and cost per rod.
	Years.	Years.	Years.					
Atlantic and Great Western Railway } *	(a) 7	4	7	(a) 9	Wood 8, iron 1.	(a) 1,631	(a) 13	(a) \$1.30
Cleveland and Mahoning Railroad ..	5	5	5				14	
Carrollton and Oneida Railroad ..	18	6	9	2	Wood	128	30	1.40
Central Ohio Railroad } *	14	4	5	2	Wood 1, iron 1.	118	(b) 5 $\frac{1}{2}$	1.20
Sandusky, Mansfield and Newark Railroad } *								
Cincinnati and Baltimore Railway ..	13	4		1	Wood	220		
Cincinnati, Hamilton and Dayton Railroad ..	12	4 $\frac{1}{2}$		2	Wood	342	(c)	
Dayton and Michigan Railroad } *	16	8		4	Wood	506	(d)	
Cincinnati, Richmond and Chicago Railroad ..	8	8					40	
Cincinnati and Indiana Railroad } +	8	8						
Harrison Branch Railroad ..	13	7 $\frac{1}{2}$	7 $\frac{1}{2}$	9	Wood 8, iron 1.	915	(e) 4	(e) 4.00
Cincinnati and Muskingum Valley Railway ..	(a) 19	8 $\frac{1}{2}$	19	1	Wood	60	(f) 2 $\frac{1}{2}$	1.60
Cincinnati, Sandusky and Cleveland Railroad } *	14	9					(c) 20	(a) 1.80
Columbus, Springfield and Cincinnati Railroad } *							(g) 24 $\frac{1}{2}$	(g)
Cleveland, Columbus, Cincinnati and Indianap's R'y.							5	1.25
Cleveland, Mt. Vernon and Delaware Railroad } *							None.	
Massillon and Cleveland Railroad ..	10	4		4	Wood 3, iron 1.	519	80	2.25
Cleveland and Pittsburgh Railroad ..	4	2 1-6	4	7	Wood	933	100	
Columbus and Hocking Valley Railroad ..	8	5	3 $\frac{1}{2}$				10	(h) 1.35
Dayton and Union Railroad ..	1	11-12		16	Wood	507	26	
Iron Railroad ..	16	8	13				20	
Junction (Cincinnati and Indianapolis) Railroad.	5	5	6				(e) 12	
Lake Erie and Louisville Railroad ..								

	20	9	8	4	Iron 3, stone 1	151	None.	(d)	150
Lake Shore and Michigan Southern Railway	10	6	6	3	Iron	482	118½	33½	175
Marietta and Cincinnati Railroad	1	†	1½	2	Wood	240			
Marietta and Pittsburgh Railroad				11	Wood	2,740			
Newark, Somerset and Straitsville Railroad				2	Wood	54	19	10	125
Niles and New Lisbon Railway	6	2 1-5	5				33		
Ohio and Mississippi Railway									
Pittsburgh, Cincinnati and St. Louis Railway									
Columbus, Chicago and Ind. Central Railway	(a) 11½	5	11	(a) 9	Wood 7, iron 1, stone 1.	833	(a) 103	(a) 296-10	(h) 150
Little Miami Railroad									
Columbus and Xenia Railroad									
Dayton and Western Railroad	11	6½		3	Iron	132	(i) 16	14	160
Pittsburgh, Ft. Wayne and Chicago Railway									
Rocky River Railroad	5	4	9	2	Iron 1, Wood 1	788	7½	18½	43
Toledo, Wabash and Western Railway				93		11,299	6704	182 5-8	

* Operated as one line or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(b) Not reported.

(c) Cannot state.

(d) Renewing when needed.

(e) Estimated.

(f) No record.

(g) Rebuilt—post and board, \$1.50; rail, 60 cts. per rod.

(h) Average cost.

(i) Now being built.

TABLE D.—EQUIPMENT, PERSONS EMPLOYED, AND SPEED OF TRAINS.

Names of Companies.	EQUIPMENT—ENTIRE LINES.					Total number of persons employed in operating the road in Ohio.	SPEED OF TRAINS ALLOWED.					
	Number of locomotives.	Number of passenger cars.	Number of express and baggage cars.	Number of freight cars.	Number of other cars.		Highest rate of speed of express passenger trains in motion.	Average rate of same, including stops.	Highest rate of speed of freight trains in motion.	Average rate of same, including stops.	Highest rate of speed of freight trains in motion.	Average rate of same, including stops.
Atlantic and Great Western Railway...{*}	(a) 166	(a) 79	(a) 33	(a) 3363	(a) 17	(a) 964	33	30	18	16	15	10
Cleveland and Mahoning Railroad.....	1	2	1	3	1	4	.....	12	.....	12	.....	12
Carrollton and Oneida Railroad.....{*}	40	28	24	364	371	1186	35	26	30	23	15	10
Central Ohio Railroad.....{*}	21	15	8	211	(b) 24	637	35	26	30	23	15	10
Sandusky Mansfield and Newark Railroad } Cincinnati and Baltimore Railway	32	29	15	417	44	735	(c)	28	(c)	23	12	10
Cincinnati, Hamilton and Dayton Railroad..	23	15	4	604	45	583	(c)	25	(c)	23	12	10
Dayton and Michigan Railroad.....{*}	6	1	3	57	6	56	.....	.....	.....	.....	.....	.....
Cincinnati, Richmond and Chicago Railroad..	51	44	13	994	30	350	35	30	30	25	15	12
Cincinnati and Indiana Railroad..{*}	(d) 5	(d) 4	(d) 2	(d) 110	(d) 2	.....	30	23	25	21	12	10
Harrison Branch Railroad.....{*}	16	10	4	118	241	407	35	22	30	22	15	10
Cincinnati and Muskingum Valley Railway	(a) 26	(a) 25	(a) 7	(a) 567	(a) 67	(c) 590	21	19	24	20	12	9
Cincinnati, Sandusky and Cleveland R.R. {*}	91	44	19	1827	38	1913	35	30	27	22	15	10
Columbus, Springfield and Cincinnati R.R. }	9	6	7	350	.....	169	30	25	15	12	15	12
Cleveland, Columbus, Cincinnati and Ind. R'y }	78	40	20	2040	50	1380	33	28	26	20	15	10
Cleveland and Cleveland Railroad.....{*}	13	9	3	367	8	308	30	20	30	20	15	10
Columbus and Hocking Valley Railroad.....	4	4	3	68	7	65	28	25	15	12	12	10
Columbus and Union Railroad.....	3	2	1	147	4	50	15	12	.....	.....	.....	10
Iron Railroad.....	4	2	1	147	4	50	15	12	.....	.....	.....	10
Junction (Cincinnati and Indianapolis) Railroad	15	12	7	234	30	63	40	30	30	20	15	8

Lake Erie and Louisville Railroad	2	2	1	30	5	50	20	19	.....	.....	18	16
Lake Shore and Michigan Southern Railway	299	140	(g) 103	6077	4	(h) 3500	45	30	30	25	15	10
Marietta and Cincinnati Railroad	64	26	15	956	57	2071	35	26	30	20	12	10
Marietta and Pittsburgh Railroad	2	2	2	20	.....	(i)	.....	15	.....	.....	.....	8
Newark, Somerset and Stratfordville Railroad .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Niles and New Lisbon Railway	5	.....	.....	133	1	70	20	18	20	18	12	10
Ohio and Mississippi Railway	87	43	24	1371	10	(h) 300	40	30	35	25	15	12
Pittsburgh, Cincinnati and St. Louis Railway .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Columbus, Chicago and Ind. Central Railway	(a) 280	(a) 123	(a) 67	3911	(a) 106	3056	40	30	30	24	15	10
Little Miami Railroad .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Columbus and Xenia Railroad .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dayton and Western Railroad	223	119	54	3334	56	2042	50	35	30	20	15	11
Pittsburgh, Fort Wayne and Chicago Railway	2	5	.....	.....	3	7	20	12	.....	.....	.....	.....
Rocky River Railroad	153	45	34	2400	200	638	25	22	22	20	15	10
Toledo, Wabash and Western Railway .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1717	874	474	30,173	1427	21,193	.....	.....	.....	.....	.....	.....

* Operated as one line, or by one organization. See reports of companies. (d) Equipment owned by Whitewater Valley R. R. Co.

† Operated by one organization ten months of present year. (e) Average.

(f) Coal trains, 12 miles.

(g) Includes postal and emigrant cars.

(h) Estimated.

(i) Not reported.

TABLE E.—AS TO IRON RAIL LAID WITHIN THE YEAR, AND STEEL RAIL IN USE.

Names of Companies.	IRON RAIL LAID IN OHIO WITHIN THE YEAR.				STEEL RAIL IN USE.		
	Length of new iron rail laid.		Length of re-rolled iron rail laid.		Length of spliced and mended iron laid.		How long laid.
	Miles.	$\frac{1}{1000}$	Miles.	$\frac{1}{1000}$	Miles.	$\frac{1}{1000}$	
Atlantic and Great Western Railway.....	a		(b) 216	212	(a) 50		2
Cleveland and Mahoning Railroad.....							
Carrollton and Oneida Railroad.....							
Central Ohio Railroad.....	12	650	17	500	12	216	2½
Sandusky, Mansfield and Newark Railroad.....			5	250	22	380	
Cincinnati and Baltimore Railway.....							
Cincinnati, Hamilton and Dayton Railroad.....			11	500			1½
Dayton and Michigan Railroad.....	2		6	500			
Cincinnati, Richmond and Chicago Railroad.....			1	400			
Cincinnati and Indiana Railroad.....			(h) 4			(c) 1	5½
Harrison Branch Railroad.....							
Cincinnati and Muskingum Valley Railway.....	(d) 12		(d) 11		(d)	(d)	
Cincinnati, Sandusky and Cleveland Railroad.....	(a) 15		(h) 2		(a) 3		
Columbus, Springfield and Cincinnati Railroad.....	20		25		28	35	1 to 6
Cleveland, Columbus, Cincinnati and Indianapolis Railway.....							
Cleveland, Mt. Vernon and Delaware Railroad.....							
Massillon and Cleveland Railroad.....							
Cleveland and Pittsburgh Railroad.....	15	700	51	300			
Columbus and Hocking Valley Railroad.....	30	750					
Dayton and Union Railroad.....							
Iron Railroad.....	1						
Junction (Cincinnati and Indianapolis) Railroad.....							
Lake Erie and Louisville Railroad.....							
Lake Shore and Michigan Southern Railway.....	(e) 69	500	118	500	186	46	½ to 3
Marietta and Cincinnati Railroad.....	67	500	2		2		

[illegible]

* Operated as one line or by one organization. See reports of companies.

+ Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(b) 11,411 tons reported.

(c) Includes steel rail.

(f) 4 miles 5 years— $2\frac{1}{2}$ miles 4 years.

(h) Estimated.

TABLE F.—AS TO MILEAGE OF LOCOMOTIVES WITHIN THE YEAR.

Names of Companies.	MILEAGE OF LOCOMOTIVES—ENTIRE LINES.				
	Number of miles run by locomotives hauling passenger trains.	Number of miles run by locomotives hauling freight trains.	Number of miles run by locomotives hauling mixed trains.	Number of miles run by locomotives hauling construction and other trains not before named.	Total mileage of locomotives.
Atlantic and Great Western Railway. } *	(a) 926,734	(a) 3,790,432	(a) 44,163	(a) 112,048	(a) 4,873,377
Cleveland and Mahoning Railroad. }	7,992	7,992			7,992
Carrollton and Oneida Railroad }	377,206	767,161		56,320	1,200,687
Central Ohio Railroad }	169,685	422,447		30,171	622,303
Sandusky, Mansfield and Newark Railroad }					
Cincinnati and Baltimore Railroad }					
Cincinnati and Dayton Railroad }	295,537	262,856	7,985		566,378
Dayton and Hamilton Railroad }	229,671	284,488		210,279	724,438
Cincinnati and Michigan Railroad }	50,808	21,405	868		73,071
Cincinnati, Richmond and Chicago Railroad }	530,791	706,218		81,264	1,318,273
Cincinnati and Indiana Railroad. }	(b) 1,874	(b) 992	(b)	(b)	(b) 2,866
Harrison Branch Railroad }	(c) 103,063	(c) 63,011	(c) 33,348	(c)	(c) 199,442
Cincinnati and Muskingum Valley Railroad }	(a) 309,187	(a) 295,063	(a)	(a) 44,585	(a) 648,835
Cincinnati, Sandusky and Cleveland Railroad }	707,676	2,000,609		162,402	2,870,687
Columbus, Springfield and Cincinnati Railroad }	57,000	30,000	40,000		127,000
Cleveland, Columbus, Cincinnati and Indianapolis Railway }	335,699	(d) 923,766		608,373	1,867,838
Cleveland and Delaware Railroad }	90,902	211,323	1,400	(e) 1,200	304,825
Mesaillon and Cleveland Railroad }	62,600	31,300		11,000	104,900
Cleveland and Pittsburgh Railroad }					
Columbus and Hocking Valley Railroad }					
Dayton and Union Railroad }		8,300	16,380	2,200	26,880
Iron Railroad }	(f)	(f)	(f)	(f)	(f)
Junction (Cincinnati and Indianapolis) Railroad }	23,162	(d) 23,162		1,440	47,764
Lake Erie and Louisville Railroad }	2,389,293	4,953,412	(g) 576,298	(h) 1,270,392	9,189,395
Lake Shore and Michigan Southern Railway }	681,600	763,400	166,800	268,800	1,879,000
Marietta and Cincinnati Railroad }					
Marietta and Pittsburgh Railroad }					

Newark, Somerset and Straitsville Railroad.....	41,712	55,156	.....	.....	101,028
Niles and New Lisbon Railway.....	910,941	1,517,755	.....	4,160	2,428,696
Ohio and Mississippi Railway.....					
Pittsburgh, Cincinnati and St. Louis Railway.....					
Columbus, Chicago and Ind. Central Railway.....					
Little Miami Railroad.....	(a) 2,177,160	(a) 2,187,861	(a)	(a) 720,281	(a) 7,085,302
Dayton and Xenia Railroad.....					
Columbus and Western Railroad.....	1,679,554	4,004,497	.....	317,249	6,001,300
Pittsburgh, Fort Wayne and Chicago Railway.....	(e) 35,000	.....	.....	.....	(e) 35,000
Rocky River Railroad.....	1,348,900	3,049,100	.....	.....	4,698,000
Toledo, Wabash and Western Railway.....			300,000	.....
Totals.....	13,535,175	28,381,706	1,186,232	3,902,164	47,005,277

* Operated as one line or by one organization. See reports of companies.
† Operated by one organization ten months of present year. See reports.
(a) Includes road embraced.
(b) For two months only.
(c) For ten months only.
(d) Includes mixed trains.
(e) Estimated.
(f) No account kept.
(g) Working trains.
(h) Switching.

TABLE G.—AS TO MILEAGE OF CARS WITHIN THE YEAR.

Names of Companies.	MILEAGE OF CARS—ENTIRE LINES.					
	Number of miles run by passenger cars.	Number of miles run by express and baggage cars.	Number of miles run by freight cars.	Number of miles run by caboose cars.	Number of miles run by street'n and other trains not before named.	Total mileage of cars.
Atlantic and Great Western Railway. } *	(a) 3,123,272	(a) 1,047,767	.....	(b) 44,080,867	.....	(a) 48,251,906
Cleveland and Mahoning Railroad.....	.....	.....	7,992	.....	.....	7,992
Carrollton and Oneida Railroad.....	948,470	406,921	4,827,497	.....	.....	6,182,888
Central Ohio Railroad.....	420,152	207,126	2,318,420	.....	.....	2,945,698
Sandusky, Mansfield and Newark Railroad } *	.....	.....	.....	.....	.....	.....
Cincinnati and Baltimore Railway.....	.....	.....	.....	.....	.....	.....
Cincinnati, Hamilton and Dayton Railroad.. } *	871,363	362,745	5,620,334	(c)	.....	6,854,442
Dayton and Michigan Railroad.....	544,579	287,344	6,272,715	(c)	.....	7,104,638
Cincinnati, Richmond and Chicago Railroad. }	119,410	54,769	515,584	(c)	.....	689,763
Cincinnati and Indiana Railroad. } *	1,265,930	558,455	6,428,009	362,240	.....	8,614,664
Harrison Branch Railroad.....	(d) 2,498	(d) 836	(d) 9,464	(d) 992	.....	(d) 13,784
Cincinnati and Muskingum Valley Railway.....	(e) 285,684	(e) 117,481	(e) 1,239,779	(e) 13,111	.....	(e) 1,656,055
Cincinnati, Sandusky and Cleveland Railroad.. }	(a) 618,374	(a) 309,187	(a) 2,110,664	(a) 339,648	.....	(a) 3,377,873
Columbus, Springfield and Cincinnati Railroad.. }	2,359,279	1,161,575	25,747,972	(c)	(c)	29,268,826
Cleveland, Columbus, Cincinnati and Indianapolis Railway.....	(a) 130,000	(a) 130,000	(a) 1,565,000	(a) 35,000	(a) 80,000	(a) 1,940,000
Cleveland, Mt. Vernon and Delaware Railroad.. }	.....	.....	.....	.....	.....	.....
Massillon and Cleveland Railroad.....	1,679,606	(f) 14,599,587	14,599,587	(c)	1,344,920	17,624,107
Cleveland and Pittsburgh Railroad.....	211,973	95,595	2,877,986	211,323	(g) 10,000	3,406,877
Columbus and Hocking Valley Railroad.....	101,000	62,600	270,946	31,300	33,696	499,542
Dayton and Union Railroad.....	16,380	.....	24,680	.....	6,600	47,660
Iron Railroad.....	(h)	(h)	(h)	(h)	(h)	(h)
Junction (Cincinnati and Indianapolis) Railroad.....	48,544	48,544	192,341	.....	6,320	285,749
Lake Erie and Louisville Railroad.....	(h)	(h)	(h)	(h)	(h)	(h)
Lake Shore and Michigan Southern Railway.....	1,213,571	540,910	7,866,331	(h)	1,956,800	11,577,612
Marietta and Cincinnati Railroad.....	.....	.....	.....	.....	.....	.....
Marietta and Pittsburgh Railroad.....	.....	.....	.....	.....	.....	.....
Newark, Somerset and Straitsville Railroad.....	.....	.....	.....	.....	.....	.....

Niles and New Liabon Railway.....	41,712	41,448	408,052	.....	33,280	524,492
Ohio and Mississippi Railway.....	2,419,407	1,412,577	8,099,172	.....	(i) 3,125,784	15,056,940
Pittsburgh, Cincinnati and St. Louis Railway..	* (a) 6,903,417	(a) 3,103,299	(a) 58,510,867	(a) 3,158,182	(a) 2,128,456	(a) 73,804,221
Columbus, Chicago and Ind. Central Railway...						
Little Miami Railroad.....	5,479,658	2,334,950	47,750,768	2,886,414	.....	58,451,790
Columbus and Xenia Railroad.....						
Dayton and Western Railroad.....	(g) 40,000	.....	.....	.....	.....	(g) 40,000
Pittsburgh, Fort Wayne and Chicago Railway..	2,697,800	1,823,350	15,245,500	2,849,000	1,552,100	24,167,750
Rocky River Railroad.....	.....	.....	.....	.....	.....	.....
Toledo, Wabash and Western Railway.....	.....	.....	.....	.....	.....	.....
Totals.....	31,542,071	14,107,505	212,509,660	53,968,077	10,277,956	322,405,269

* Operated as one line or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See Reports.

(a) Includes roads embraced.

(b) Includes freight, construction and other cars.

(c) Included with freight cars.

(d) For 2 months only.

(e) For 10 months only.

(f) Included in passenger cars.

(g) Estimated.

(h) Have no record.

(i) Includes caboose cars.

TABLE II.—AS TO FUEL CONSUMED, AND TABLE I.—AS TO DOINGS IN TRANSPORTATION WITHIN THE YEAR.

Name of companies.	FUEL CONSUMED.		PASSENGERS CARRIED—ENTIRE LINES.				
	Cords of wood consumed.	Tons of coal consumed.	Number of passengers of all classes carried in cars.	Total miles traveled by passengers, or number of passengers carried one mile.	Average number of miles traveled by each passenger carried.	Average amount received from each passenger carried.	Average amount per mile received for each passenger carried.
							Cents.
Atlantic and Great Western Railway } *	(a) 29,295	(a) 124,883	(a) 811,959	(a) 37,003,577	(a) 45½	(a) \$1 20.	(a) 02.½
Cleveland and Mahoning Railroad.....	3	90	3,529				
Carrollton and Oneida Railroad.....	2,493	22,836	167,633	871,692	52	1.8-10	03.50
Central Ohio Railroad.....	925	11,906	141,368	4,665,152	33	1.10	03.50
Sandusky, Mansfield and Newark Railroad } *							
Cincinnati and Baltimore Railway.....	12,336	5,840	743,630	14,976,475	20	56.½	02.85
Cincinnati, Hamilton and Dayton Railroad.. { *	30,006		272,954	8,984,330	33	1 13.	03.2-5
Dayton and Michigan Railroad.....	3,416		77,276	2,185,793	28½	97.	03.3-10
Cincinnati, Richmond and Chicago Railroad.. { *	6,886	1,836	195,155	3,163,115	16 1-5	59.46	03.66
Cincinnati and Indiana Railroad { +	(b) 81	(b) 8,316	(b) 5,211	(b) 41,688	(b) 8	32.	04.
Harrison Branch Railroad.....	(c) 753	(c) 8,316	(c) 115,941	(c) 2,620,787	22½	82.83	03.66
Cincinnati and Muskingum Valley Railway.....	(a) 19,761	(a) 1,688	(a) 261,433	(a) 10,457,320	40	1 00.	02.50
Cincinnati, Sandusky and Cleveland Railroad.. { *	90,000	4,500	528,291	26,957,227	51	1 50.8-10	02.95
Columbus, Springfield and Cincinnati Railroad. { *	(a) 4,931	(a) 1,720	(a) 122,770	(a) 2,054,291	(a) 16½	(a) 58.56	(a) 3.50
Cleveland, Columbus, Cincinnati and Indianapolis Ry.	9,312	34,469	638,373	20,472,771	32	95.	02.95
Cleveland and Delaware Railroad } *		5,282	66,555			85.	
Massillon and Cleveland Railroad.....			69,285	1,829,786	26 4-10	77.4-10	02.93
Cleveland and Pittsburgh Railroad.....	4,467	958	29,646	246,198	8	33.	04.00
Columbus and Hocking Valley Railroad.....							
Dayton and Union Railroad.....							
Iron Railroad.....							
Junction (Cincinnati and Indianapolis) Railroad.....	2,200		26,752	486,290	18½	69.	03.75
Lake Erie and Louisville Railroad.....	3,377		1,937,954	154,609,209	79	2 05.	02.57
Lake Shore and Michigan Southern Railway.....	223,701	60,000	354,917			1 21.	
Marietta and Cincinnati Railroad.....	5,704	51,400					
Marietta and Pittsburgh Railroad.....							
Newark, Somerset and Strataville Railroad.....							

Niles and New Lisbon Railway.....	475	2,650	42,948	32,908,901	85	3 00.	03.50
Ohio and Mississippi Railway.....	13,165	63,385	384,514				
Pittsburgh, Cincinnati and St. Louis Railway.....							
Columbus, Chicago and Ind. Central Railway.....							
Little Miami Railroad.....	(d)	(d)	(d)	(d)	(d)	(d)	(d)
Columbus and Xenia Railroad.....							
Dayton and Western Railroad.....	51,111	47,867	1,938,501	88,885,341	46	1 24.	02.20
Pittsburgh, Fort Wayne and Chicago Railway.....	5	193	(e) 133,000			10.	
Rocky River Railroad.....	57,770	97,824	671,675			1 85.	
Toledo, Wabash and Western Railway.....							
	572,173	547,643	(f) 9,740,910	413,419,943			

* Operated as one line or by one organization. See reports of companies. (d) No record kept.

† Operated by one organization ten months of present year. See reports. (e) Estimated.

(f) To this number add estimated as carried by P. C. & St. L. Ry and Junction R. R., (not reporting), 2,259,090, making estimated total of 12,000,000.

(a) Includes roads embraced.

(b) For two months only.

(c) For ten months only.

TABLE I.—AS TO DOINGS IN TRANSPORTATION.—Continued.

Names of Companies.	FREIGHT CARRIED—ENTIRE LINES.				
	Number of tons of freight carried.	Number of tons of local freight carried.	Total number of tons of freight, through and local, carried.	Total number of tons of freight carried one mile.	Average amount received for each ton of freight carried.
Atlantic and Great Western Railway.. { *	(a) 653,291	(a) 1,596,181	(a) 2,249,472	(a) 260,545,938	Cents. .85
Cleveland and Mahoning Railroad .. { *	175,212	161,200	336,412	30,277,148	02.
Carrollton and Oneida Railroad .. { *	93,157	85,110	178,267	16,044,061	02.
Central Ohio Railroad .. { *					
Sandusky, Mansfield and Newark Railroad. { *					
Cincinnati and Baltimore Railway .. { *					
Cincinnati, Hamilton and Dayton Railroad .. { *	205,975	300,583	506,558	21,041,281	2.63
Dayton and Michigan Railroad .. { *	90,377	283,736	374,113	38,742,452	1 9-10
Cincinnati, Richmond and Chicago Railroad. { *	51,203	37,082	88,285	3,536,913	1 02½
Cincinnati and Indiana Railroad .. { *	384,212	66,440	450,652	7,300,562	37½
Harrison Branch Railroad .. { *	6,241	(b) 6,241	(b) 6,241	(b) 49,928	32
Cincinnati and Muskingum Valley Railway .. { *	3,602	(c) 92,720	(c) 96,322	(c) 5,925,164	02.
Cincinnati, Sandusky and Cleveland Railroad .. { *	(a) 67,629	(a) 171,576	(a) 239,205	(a) 23,372,488	03.19
Columbus, Springfield and Cincinnati Railroad. { *	584,102	437,666	1,021,768	162,545,137	02.
Cleveland, Columbus, Cincinnati and Indianapolis Railway .. { *	(a) 37,824	(a) 97,266	(a) 135,090	(a) 2,382,110	01.58
Cleveland and Delaware Railroad. { *	479,671	1,037,657	1,517,328	117,465,599	06.81
Massillon and Cleveland Railroad. { *					01.92
Cleveland and Pittsburgh Railroad .. { *					
Columbus and Hocking Valley Railroad .. { *					
Dayton and Union Railroad .. { *	47,336	26,054	73,390	2,375,600	81½
Iron Railroad .. { *	26,568	99,593	126,161	1,042,535	65
Junction (Cincinnati and Indianapolis) Railroad .. { *	(d)	(d)	(d)	(d)	(d)
Lake Erie and Louisville Railroad .. { *					
Lake Shore and Michigan Southern .. { *	1,973,715	27,519	27,519	617,368	05.75
Marietta and Cincinnati Railroad .. { *	155,882	1,366,956	3,340,671	623,320,907	01.50
		302,484	459,366	2 29	

Marietta and Pittsburgh Railroad.....									
Newark, Somerset and Straitsville Railroad.....									
Niles and New Lisbon Railway.....									
Ohio and Mississippi Railway.....									
Pittsburgh, Cincinnati and St. Louis Railway.....									
Columbus, Chicago and Ind. Central Railway.....									
Little Miami Railroad.....									
Columbus and Xenia Railroad.....									
Dayton and Western Railroad.....									
Pittsburgh, Ft. Wayne and Chicago Railway.....									
Rocky River Railroad.....									
Toledo, Wabash and Western Railway.....									
Totals.....	43,511	231,117	274,628	88,154,054	2 83				02.03
	179,971	484,705	664,676						
	(d)	(d)	(d)	(d)	(d)				(d)
	692,584	1,246,762	1,929,346	368,634,160	2 76				01.40
	(e)	(e)	(e)	(e)	(e)				(e)
	332,301	721,752	1,060,053						
	6,281,364	8,874,159	(f)15,464,340	1,773,983,405					

* Operated as one line, or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(b) For 2 months only.

(c) For 10 months only.

(d) No record kept.

(e) Passenger road—no freight carried.

(f) Includes two roads not giving separate classes.

TABLE J—AS TO EARNINGS, EXPENSES, ETC., FOR THE YEAR.

Names of Companies.	EARNINGS FOR THE YEAR—ENTIRE LINES.				
	From transportation of passengers.	From transportation of freight.	From Mail.	From Express.	From all other sources (except increase of capital stock), including rents, etc.
Atlantic and Great Western Railway } *	(a) \$975,773 08	(a) \$3,455,382 36	(a) 38,050 00	(a) \$109,415 14	(a) \$58,518 11
Cleveland and Mahoning Railroad } *	2,647 17	3,121 51	500 00	300 00	.....
Carrollton and Oneida Railroad } *	305,092 18	605,542 96	29,083 54	34,222 75	1,053 13
Central Ohio Railroad } *	163,280 36	320,881 24	15,419 82	10,522 94	20 00
Sandusky, Mansfield and Newark Railroad } *	.....	.....	.....	.....	.....
Cincinnati and Baltimore Railroad } *	420,154 96	553,395 67	8,750 00	15,002 39	219,504 48
Cincinnati, Hamilton and Dayton Railroad } *	308,002 84	730,986 59	14,900 00	25,833 65	533 33
Dayton and Michigan Railroad } *	72,103 80	90,287 98	3,600 00	3,504 17	243 96
Cincinnati, Richmond and Chicago Railroad } *	116,045 88	162,774 36	4,892 84	4,721 16	.....
Cincinnati and Indiana Railroad } *	(b) 1,687 50	(b) 1,977 12	.....	.....	.....
Harrison Branch Railroad } *	(c) 96,037 73	(c) 189,354 51	(c) 8,312 50	(c) 16,666 60	(c) 14,866 30
Cincinnati and Muskingum Valley Railroad } *	(a) 261,432 69	(a) 468,177 33	(a) 17,599 92	(a) 26,856 03	(a) 26,635 94
Cincinnati, Sandusky and Cleveland Railroad } *	796,437 45	2,583,305 45	61,993 00	70,707 79	92,693 70
Columbus, Springfield and Cincinnati Railroad } *	(a) 71,900 04	(a) 159,243 22	(a) 3,236 97	(a) 9,390 00	(a) 1,533 88
Cleveland, Columbus, Cincinnati and Indianapolis Railroad } *	604,887 49	2,261,401 07	28,409 47	62,469 87	15,000 05
Cleveland, Mt. Vernon and Delaware Railroad } *	113,523 92	347,682 85	(d) 7,295 09	.....	4,849 60
Massillon and Cleveland Railroad } *	51,963 42	59,815 74	3,600 00	.....	1,566 42
Columbus and Hocking Valley Railroad } *	9,773 38	82,153 21	.....	1,640 04	4,390 15
Dayton and Union Railroad } *	115,065 06	154,923 37	4,950 00	.....	19,839 06
Iron Railroad } *	20,420 88	36,428 11	1,480 00	.....	1,009 84
Junction (Cincinnati and Indianapolis) Railroad } *	3,977,845 62	9,392,903 08	142,190 67	274,492 17	360,056 91
Lake Erie and Louisville Railroad } *	438,640 03	1,050,766 97	23,737 44	38,984 04	6,345 54
Lake Shore and Michigan Southern Railway } *	.....	.....	.....	.....	.....
Marietta and Cincinnati Railroad } *	.....	.....	.....	.....	.....
Marietta and Pittsburgh Railroad } *	.....	.....	.....	.....	.....
Newark, Somerset and Straitsville Railroad } *	.....	.....	.....	.....	.....

Niles and New Lisbon Railway	25,692 45	125,865 55	1,512 50	1,089 79	.....
Ohio and Mississippi Railway	1,153,157 23	1,883,780 13	68,200 00	87,015 56	.....
Pittsburgh, Cincinnati and St. Louis Railway.					
Columbus, Chicago and Ind. Central Railway.					
Little Miami Railroad.....*	(a) 2,553,535 35	(a) 5,731,660 35	(a) 146,917 44	(a) 204,685 90	(a) 308,107 97
Columbus and Xenia Railroad					
Dayton and Western Railroad					
Pittsburgh, Fort Wayne and Chicago Railway	2,423,576 40	5,320,458 36	93,900 00	149,301 00	120,469 18
Rocky River Railroad.....	13,227 72	(e)		.....	73 01
Toledo, Wabash and Western Railway	1,236,334 59	3,494,348 02	84,718 77	90,336 81	207,646 57
Totals	\$16,333,218 82	\$39,296,617 11	\$813,249 97	\$1,243,375 74	\$1,464,957 18

* Operated as one line or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(b) For two months only.

(c) For ten months only.

(d) Includes from express.

(e) No freight carried.

TABLE J—AS TO EARNINGS, EXPENSES, ETC., FOR THE YEAR—Continued.

Names of Companies.	OPERATING EXPENSES—ENTIRE LINES.					General expenses.
	For maintenance of way and structures.	For maintenance of cars.	For motive power.	For conducting transportation.	State taxes paid in Ohio.	
Atlantic and Great Western Railway } *	(a) \$1,255,709 69	(a) \$397,159 09	(a) \$475,435 70	(a) \$1,531,757 07	(a) \$105,000 00	
Cleveland and Mahoning Railroad... }	1,500 00		155 00	1,620 00	127 45	
Carrollton and Oneida Railroad..... }	260,949 88	79,035 22	151,397 64	199,395 73	32,188 83	
Central Ohio Railroad..... }	231,783 55	24,582 68	50,691 99	118,057 39	11,867 04	
Sandusky, Mansfield and Newark Railroad... }						
Cincinnati and Baltimore Railroad..... }						
Cincinnati, Hamilton and Dayton Railroad..... }	214,808 14	63,293 89	168,945 57	148,855 86	49,353 56	
Dayton and Michigan Railroad..... }	212,434 02	75,347 16	160,523 75	133,644 91	28,461 97	
Cincinnati, Richmond and Chicago Railroad... }	46,251 50	6,581 77	34,767 62	20,371 16	2,224 64	
Cincinnati and Indiana Railroad..... }	55,035 60	18,908 89	73,135 56	69,026 67	4,596 20	
Harrison Branch Railroad..... }	432 00	(c)	(c)	83 20		
Cincinnati and Muskingum Valley Railway..... }	(d) 105,076 73	(d) 30,552 93	(d) 83,556 55	(d) 39,068 94	(d) 7,411 60	
Cincinnati, Sandusky and Cleveland Railroad..... }	(a) 125,046 35	(a) 42,132 74	(a) 156,966 26	(a) 119,940 66	(a) 23,111 78	
Columbus, Springfield and Cincinnati Railroad..... }	649,179 75	162,485 34	183,459 34	1,276,604 42	88,668 50	
Cleveland, Columbus, Cincinnati and Indianapolis Railway..... }	(a) 46,226 04	(a) 17,444 88	(a) 44,373 21	(a) 25,547 98	(a) 7,117 55	
Cleveland and Pittsburgh Railroad..... }	440,854 64	(c) 565,526 31		360,245 11	68,856 16	
Columbus and Hocking Valley Railroad..... }	48,009 18	13,249 88	25,968 09	90,466 57	7,634 54	
Dayton and Union Railroad..... }	22,169 12	16,105 66	27,690 38	15,870 55	3,251 62	
Iron Railroad..... }	36,661 48	10,754 17	6,320 86	14,274 15	2,069 68	
Junction (Cincinnati and Indianapolis) Railroad..... }	164,438 38	29,380 71	22,382 30	35,743 23	725 77	
Lake Erie and Louisville Railroad..... }	13,696 33	3,393 84	12,063 29	17,903 29	1,252 16	
Lake Shore and Michigan Southern Railway..... }	2,983,407 39	772,804 58	562,457 12	3,960,248 24	193,006 54	
Marietta and Cincinnati Railroad..... }	507,966 28	95,650 00	385,402 15	311,124 61	64,516 45	
Marietta and Pittsburgh Railroad..... }						
Newark, Somerset and Stratsville Railroad..... }						

Niles and New Lisbon Railway	27,955 85	3,727 39	9,535 62	24,030 27	2,594 66
Ohio and Mississippi Railway	742,925 19	162,538 10	159,918 29	1,234,819 35	14,910 36
Pittsburgh, Cincinnati and St. Louis Railway					
Columbus, Chicago and Ind. Central Railway					
Little Miami Railroad	(a) 1,304,587 76	(a) 510,625 43	(a) 1,951,225 75	(a) 2,311,358 68	(a) 79,973 18
Columbus and Xenia Railroad					
Dayton and Western Railroad					
Pittsburgh, Fort Wayne and Chicago Railway	1,000,736 61	490,751 76	1,305,315 46	1,295,360 19	70,325 35
Rocky River Railroad	595 88	100 14 (f)	3,204 11 (g)	1,570 00	474 45
Toledo, Wabash and Western Railway	1,159,758 42	227,878 85	275,814 14	1,743,544 47	19,851 21
	\$11,668,095 76	\$3,825,921 41	\$6,330,505 75	\$15,099,838 70	\$869,571 45

* Operated as one line or by one organization. See reports of Companies.

† Operated by one organization ten months of present year. See Reports.

(a) Includes roads embraced.

(b) For two months only.

(c) Cars and motive power furnished by lessee I. C. & L. R. R. Co.

(d) For ten months only.

(e) Includes motive power.

(f) Includes repairs of engines, fuel, &c.

(g) Includes paid to superintendent, conductors and brakemen.

TABLE J.—AS TO EARNINGS, EXPENSES, ETC., FOR THE YEAR—Continued.

Names of Companies.	OPERATING EXPENSES ENTIRE LINES—(Continued).				
	General Expenses.				
	State taxes paid in other States.	National taxes paid.	Interest paid on floating debt.	Other general expenses.	Total general expenses.
Atlantic and Great Western Railway } *	(a) \$16,000 00	\$7,493 34	(a) \$29,721 61	(a) \$173,522 97	(a) \$331,737 92
Cleveland and Mahoning Railroad... }					127 45
Carrollton and Oneida Railroad... }		2,788 73		14,205 41	49,182 97
Central Ohio Railroad... }		1,474 53		2,271 06	15,612 63
Sandusky, Mansfield and Newark Railroad }					
Cincinnati and Baltimore Railway... }		2,908 91		43,748 58	96,011 05
Cincinnati, Hamilton and Dayton Railroad. }		3,784 24		57,303 85	89,550 06
Dayton and Michigan Railroad... }		498 71		18,170 76	21,276 11
Cincinnati and Chicago Railroad }	382 00	1,464 20			6,060 40
Cincinnati and Indiana Railroad }		(b)			(b)
Harrison Branch Railroad... }					
Cincinnati and Muskingum Valley Railroad... }				(c) 19,516 92	(c) 26,928 52
Cincinnati, Sandusky and Cleveland Railroad. }					
Columbus, Springfield and Cincinnati Railroad }		(a) 2,080 82	(a) 3,094 58	(a) 52,539 55	(a) 80,986 73
Cleveland, Columbus, Cincinnati and Indianapolis Railroad... }	14,497 44	6,076 32		65,527 37	174,769 63
Cleveland, Mt. Vernon and Delaware Railroad }					
Massillon and Cleveland Railroad... }		(a) 469 04		(a) 13,902 17	(a) 21,488 76
Cleveland and Pittsburgh Railroad... }	4,645 70	4,505 28		99,516 71	177,523 85
Columbus and Hocking Valley Railroad... }		2,396 13	13,058 57	22,731 27	46,420 51
Dayton and Union Railroad... }		867 99		9,633 34	13,752 95
Iron Railroad... }		93 26	293 13	8,070 07	10,526 14
Union (Cincinnati and Indianapolis) Railroad... }	3,932 72	3,406 06			8,064 55
Lake Erie and Louisville Railroad... }		133 99			1,386 15
Lake Shore and Michigan Southern Railway... }		31,182 87	131,370 12	629,414 06	1,140,960 91
Marietta and Cincinnati Railroad... }	155,967 32	3,870 89	102,325 60	(d) 181,236 19	351,949 13
Marietta and Pittsburgh Railroad... }					
Newark, Somerset and Stratteville Railroad... }					

Niles and New Lisbon Railway.....	.....	324 47	2,572 06	10,397 31	15,888 70
Ohio and Mississippi Railway.....	.....	8,280 26	35,704 66	.....	98,740 03
Pittsburgh, Cincinnati and St. Louis Railway } Columbus, Chicago and Ind. Central Railway }	.....	.....	.....	.....	.....
Little Miami Railroad.....	(a)	62,411 14	.....	90,906 67	250,476 49
Columbus and Xenia Railroad.....	.....	17,185 50	.....	(a)	.....
Dayton and Western Railroad.....	.....	.....	.....	.....	.....
Pittsburgh, Fort Wayne and Chicago Railway.....	.....	39,900 76	.....	49,530 01	204,231 89
Rocky River Railroad.....	.....	310 89	147 36	1,848 86	2,781 56
Toledo, Wabash and Western Railway.....	.....	8,855 40	.....	44,497 46	136,030 67
Totals.....	.....	\$405,003 45	\$318,887 69	\$1,608,490 59	\$3,372,305 76

* Operated as one line, or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(b) Paid by lessees (I. C. & L. R. R. Co.).

(c) For ten months only.

(d) Includes \$26,918.28 for conducting telegraph, \$27,498.78 for track rental, and \$36,466.39 for real estate.

TABLE J.—AS TO EARNINGS, EXPENSES, ETC., FOR THE YEAR—Continued.

Names of Companies.	RECAPITULATION, EARNINGS, EXPENSES, ETC.			
	Total earnings.	Total Operating Expenses.		Total net earnings.
		Amount.	Per cent. of earnings.	
Atlantic and Great Western Railway.....	(a) \$4,667,139 29	(a) \$3,991,799 47	86½	(a) \$675,339 82
Cleveland and Mahoning Railroad.....	6,568 68	3,402 45	51 8-10	3,166 23
Carrollton and Oneida Railroad.....	974,994 56	739,861 44	75½	235,133 12
Central Ohio Railroad.....	510,124 36	440,728 24	86 2-5	69,396 12
Sandusky, Mansfield and Newark Railroad.....				
Cincinnati and Baltimore Railway.....	1,216,807 50	696,824 51	57½	519,982 99
Cincinnati, Hamilton and Dayton Railroad.....	1,080,256 46	671,499 90	62 1-6	408,756 56
Dayton and Michigan Railroad.....	169,739 91	129,248 16	76 1-7	40,491 75
Cincinnati, Richmond and Chicago Railroad.....	288,434 24	222,167 12	77	66,267 12
Cincinnati and Indiana Railroad.....	3,644 62	515 20	(b) 14	(c) 3,129 42
Harrison Branch Railroad.....	325,237 64	285,183 67	87 7-10	(d) 40,053 97
Cincinnati and Muskingum Valley Railway.....	800,701 91	524,912 74	65½	(a) 275,789 17
Cincinnati, Sandusky and Cleveland Railroad.....	3,605,137 39	2,446,498 48	67 4-5	1,158,638 91
Columbus, Springfield and Cincinnati Railroad.....	245,304 11	154,980 87	63 1-5	(a) 90,323 24
Cleveland, Columbus, Cincinnati and Indianapolis Railway.....	2,972,167 95	1,545,149 91	52	1,427,018 04
Cleveland, Mt. Vernon and Delaware Railroad.....	473,351 46	224,114 23	47½	249,237 23
Massillon and Cleveland Railroad.....	118,585 62	95,588 66	80 3-5	22,996 96
Cleveland and Pittsburgh Railroad.....	96,315 74	78,436 80	81½	17,878 94
Dayton and Union Railroad.....	299,309 45	260,009 17	86½	39,300 28
Iron Railroad.....	61,024 81	47,748 90	78½	13,275 91
Junction (Cincinnati and Indianapolis) Railroad.....	14,147,488 45	9,499,878 24	66½	4,717,610 21
Lake Erie and Louisville Railroad.....	1,558,474 02	1,632,092 17	106	(e)
Lake Shore and Michigan Southern Railway.....				
Marietta and Cincinnati Railroad.....				
Marietta and Pittsburgh Railroad.....				
Newark, Somerset and Stratsville Railroad.....				
Niles and New Lisbon Railway.....	154,160 29	81,137 83	52½	73,022 46

Ohio and Mississippi Railway.....	3,197,153 92	2,398,940 96	75	798,211 96
Pittsburgh, Cincinnati and St. Louis Railway.....				
Columbus, Chicago and Indiana Central Railway.....				
Little Miami Railroad.....	(a)	(a)	70½	(a) 2,616,632 90
Columbus and Xenia Railroad.....				
Dayton and Western Railroad.....				
Pittsburgh, Fort Wayne and Chicago Railway.....	8,107,704 94	4,296,395 91	53	3,811,309 03
Rocky River Railroad.....	13,300 73	8,251 69	62	5,049 04
Toledo, Wabash and Western Railway.....	5,113,334 76	3,543,026 55	69½	1,570,358 21
Totals	\$59,151,418 82	\$40,296,667 38		(c) \$18,948,369 59

(f) From this amount.....	\$18,948,369 59
Deduct deficit M. & C. R.	(e) 93,618 15
Leaves aggregate net earnings.....	\$18,854,751 44

* Operated as one line or by one organization. See reports of companies.

+ Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(d) For 10 months only.

(b) Fictitious.

(c) For 2 months only.

(e) Deficit, \$93,618 15.

TABLE J.—AS TO EARNINGS, EXPENSES, ETC., FOR THE YEAR—Continued.

Names of Companies.	AMOUNTS PER MILE OF ROAD.			PROPORTIONS FOR OHIO, ACCORDING TO MILES OF ROAD IN THE STATE.		
	Earnings per mile of road.	Operating expenses per mile of road.	Net earnings per mile of road.	Proportion of earnings.	Proportion of operating expenses.	Proportion of net earnings.
Atlantic and Great Western Railway. } *	(a) \$9,205 40	(a) \$7,873 37	(a) \$1,332 03	(a) \$3,028,576 60	(a) \$2,590,338 73	(a) \$438,237 87
Cleveland and Mahoning Railroad.....	547 39	283 54	263 85	6,568 68	3,402 45	3,166 23
Carrollton and Oneida Railroad.....	7,116 75	5,400 45	1,716 30	974,994 56	739,861 44	235,133 12
Central Ohio Railroad.....	4,397 62	3,799 38	598 24	510,124 36	440,728 24	69,396 12
Sandusky, Mansfield and Newark Railroad } *						
Cincinnati and Baltimore Railroad.....	20,280 13	11,613 75	8,666 38	1,216,807 50	696,824 51	519,982 99
Cincinnati, Hamilton and Dayton Railroad } *	7,607 44	4,728 87	2,878 57	1,080,256 46	671,499 90	408,756 56
Cincinnati and Michigan Railroad.....	4,041 43	3,077 34	964 09	145,491 48	110,784 24	34,707 24
Cincinnati, Richmond and Chicago Railroad } *						
Cincinnati and Indiana Railroad.....	(a) 10,431 39	(a) 7,952 94	(a) 2,474 88	288,434 24	232,167 12	66,267 12
Harrison Branch Railroad.....	(c) 2,463 92	(c) 2,160 48	(c) 303 44	(b) 3,644 62	(b) 515 20	(b) 3,129 42
Cincinnati and Muskingum Valley Railway.....	(a) 4,682 46	(a) 3,069 66	(a) 1,612 80	(c) 325,237 64	(c) 285,183 67	(c) 40,053 97
Cincinnati, Sandusky and Cleveland Railroad.....	9,220 30	6,257 03	2,963 27	(a) 800,701 91	(a) 524,912 74	(a) 275,789 17
Columbus, Springfield and Cincinnati Railroad } *						
Cleveland, Columbus, Cincinnati and Indianapolis Ry... }						
Cleveland, Mt. Vernon and Delaware Railroad } *						
Massillon and Cleveland Railroad.....	(a) 3,217 10	(a) 2,032 53	(a) 1,184 57	(a) 245,304 11	(a) 154,980 87	(a) 90,323 24
Cleveland and Pittsburgh Railroad.....	13,209 63	6,867 33	6,342 30	2,430,571 92	1,263,588 72	1,166,983 20
Columbus and Hocking Valley Railroad.....	5,318 56	2,518 14	2,800 42	473,351 46	224,114 23	249,237 23
Dayton and Union Railroad.....	2,533 88	2,042 49	491 39	118,585 62	95,588 66	22,996 96
Iron Railroad.....	7,408 90	6,033 60	1,375 30	96,315 74	78,436 80	17,878 94
Junction (Cincinnati and Indianapolis) Railroad.....	2,993 09	2,600 09	393 00	59,861 80	52,001 80	7,860 09
Lake Erie and Louisville Railroad.....	1,649 32	1,290 51	358 81	61,024 81	47,748 90	13,275 91
Lake Shore and Michigan Southern Railway.....	14,706 33	9,802 37	4,903 96	4,691,319 27	3,126,956 03	1,564,363 24
Marietta and Cincinnati Railroad.....	5,630 32	5,968 54	(d)	1,558,474 02	1,652,092 17	(e)
Marietta and Pittsburgh Railroad.....						
Newark, Somerset and Stratsville Railroad.....						

Niles and New Lisbon Railway.....	4,367 14	2,298 52	2,063 62	154,160 29	81,137 83	73,022 46
Ohio and Mississippi Railway.....	8,135 25	6,104 18	2,031 07	158,881 43	119,214 63	39,666 80
Pittsburgh, Cincinnati and St. Louis Railway.....						
Columbus, Chicago and Ind. Central Railway.....						
Little Miami Railroad.....	(a) 9,141 45	(a) 6,467 32	(a) 2,674 13	(a) 4,149,304 15	(a) 2,935,516 54	(a) 1,213,787 61
Columbus and Xenia Railroad.....						
Dayton and Western Railroad.....	17,313 05	9,174 45	8,138 60	4,350,769 46	2,305,539 28	2,045,230 18
Pittsburgh, Fort Wayne and Chicago Railway.....	2,405 19	1,492 16	913 03	13,300 73	8,251 69	5,049 04
Rocky River Railroad.....	8,103 62	5,614 94	2,488 68	611,823 31	423,927 97	187,895 34
Toledo, Wabash and Western Railway.....						
Totals.....	.....	.....	.....	30,384,518 27	20,776,222 57	(f) 9,701,913 85

* Operated as one line or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See reports.

(a) Includes roads embraced.

(b) For 2 months only.

(c) For 10 months only.

(d) Deficit per mile, \$338.22.

(e) Total deficit, \$93,618.15.

(f) From this amount.....

Deduct above deficit M. & C. R. R. (e).....

93,618 15

Leaves aggregate net earnings.....

\$9,608,295 70

TABLE K.—AS TO PAYMENTS IN ADDITION TO OPERATING EXPENSES FOR THE YEAR.

[The following payments are in addition to operating expenses, and were made from net earnings, or sources other than earnings. For other payments of this class, see reports of companies.]

Names of Companies.	Interest paid on bonds—entire lines—including tax.	DIVIDENDS ON STOCK—ENTIRE LINES.						Paid for construction of new work—entire lines.
		Dividends on preferred stock, rate per cent., amount and tax.			Dividends on common stock, rate per cent., and tax.			
		Rate per cent.	Amount.	Tax on same.	Rate per cent.	Amount.	Tax on same.	
Atlantic and Great Western Railway. . . }	\$93,886 59				7	\$144,091 37	\$1,799 65	\$76,308 44
Cleveland and Mahoning Railroad . . . }	150,000 00	3	\$24,186 00	\$302 32	5	133,462 75	1,818 60	1,045 00
Carrollton and Oneida Railroad . . . }	164,855 00							
Central Ohio Railroad. . . }								
Sandusky, Mansfield and Newark Railroad }								
Cincinnati and Baltimore Railway . . }								
Cincinnati, Hamilton and Dayton Railroad. . }	145,060 00				8	290,000 00	2,983 23	
Dayton and Michigan Railroad . . . }	247 610 00							
Cincinnati, Richmond and Chicago Railroad. }	43,750 00							
Cincinnati and Indiana Railroad. . . }	143,500 00	10	4,321 75	108 25				
Harrison Branch Railroad . . . }								
Cincinnati and Muskingum Valley Railway . . }								
Cincinnati, Sandusky and Cleveland Railroad }								
Columbus, Springfield and Cincinnati Railroad }	(a) 158,923 51	6	(a) 25,546 66	(a) 610 84				(a) 13,917 01
Cleveland, Columbus, Cincinnati and Ind's R'y. . }	210,000 00				7	742,598 50	9,384 94	(b) 797,044 87
Cleveland, Mt. Vernon and Delaware Railroad }								
Massillon and Cleveland Railroad. . . }	(c) 7,761 79							
Cleveland and Pittsburgh Railroad. . . }	261,165 00				10	754,332 49	9,780 80	92,383 52
Columbus and Hooking Valley Railroad. . }	79,402 67							485,483 76
Dayton and Union Railroad . . . }	9,800 00							
Iron Railroad . . . }	2,240 00							
Junction (Cincinnati and Indianapolis) Railroad	(d) 2,511 25							

Lake Erie and Louisville Railroad	1,594,929 41	10	52,016 25	1,333 75	8	2,752,360 00	68,809 00	253 63
Lake Shore and Michigan Southern Railroad	533,444 51							1,958,004 72
Marietta and Cincinnati Railroad								410,370 13
Marietta and Pittsburgh Railroad								
Newark, Somerset and Stratfield Railroad								
Niles and New Lisbon Railroad	456,886 92	7	232,229 50	9,993 66				17,412 46
Ohio and Mississippi Railroad	668,915 00							339,851 02
Pittsburgh, Cincinnati and St. Louis Railroad								
Columbus, Chicago and Ind. Central Railroad	(e) 94,000 00				8	337,104 00	(e) 8,211 50	
Little Miami Railroad	(e) 21,140 00				82-5	149,400 00	(f) 3,735 00	
Columbus and Xenia Railroad	(e) 47,530 00							
Dayton and Western Railroad	1,084,825 64					1,380,000 00	27,004 03	185,946 31
Pittsburgh, Fort Wayne and Chicago Railroad	2,121 25							9,227 74
Rocky River Railroad	1,231,173 77	7	68,250 00	1,750 00				330,493 92
Toledo, Wabash and Western Railroad	\$7,505,432 31	---	\$456,450 16	\$14,098 82	---	\$6,673,976 11	\$133,526 75	\$4,029,503 10

* Operated as one line, or by one organization. See reports of companies.
† Operated by one organization ten months of present year. See reports.

(a) Include roads embraced.
(b) Construction of new work, additional equipment and real estate all kept in one account.

(c) From rental.

(d) Tax \$56, paid by stockholders.

(e) Assumed and paid by lessee (P., C. & St. L. R'y Co.)

(f) Tax on 8 per cent., paid by P., C. & St. L. R'y Co.

(A) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ (B) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ (C) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ (D) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ (E) $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

TABLE L.—AS TO ACCIDENTS IN OHIO WITHIN THE YEAR.

ANIMALS KILLED IN OHIO.		ACCIDENTS TO PERSONS.											
The number of farm animals killed and amount of damages paid therefor.		Passengers.				Employees.		Others.		Totals.			
		From causes beyond their own control.	From their own miscon- duct or want of can- tion.	Killed.	Injured.	From causes beyond their own control.	From their own miscon- duct or want of can- tion.	Killed.	Injured.					Riding, walking, or being on track.	Killed.	Injured.	Miscellaneous.
Number.	Amount paid.	(a)	(a)	(b) 3	(b) 1	(b) 2	(b) 15	(b) 15	(b) 59	(b) 6	(b) 6	(b) 23	(b) 84
Atlantic and Great Western Railway. }	99	\$473 65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cleveland and Mahoning Railroad. }	83	1,072 80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carrollton and Oneida Railroad. }
Central Ohio Railroad. }
Sandusky, Mansfield and Newark Railroad. }
Cincinnati and Baltimore Railway. }
Cincinnati, Hamilton and Dayton Railroad. }	7	197 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dayton and Michigan Railroad. }	88	2,313 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cincinnati, Richmond and Chicago Railroad. }	7	335 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cincinnati and Indiana Railroad. }	40	768 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Harrison Branch Railroad. }	3	7 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[illegible]

* Operated as one line or by one organization. See reports of companies.

† Operated by one organization ten months of present year. See reports.

(a) Not reported.

ROADS IN PROCESS OF CONSTRUCTION,
AND
NEW COMPANIES INCORPORATED WITHIN THE YEAR.

RAILROADS IN PROCESS OF CONSTRUCTION.

Only five of the new companies whose roads are in process of construction have made reports within the present year, reports from such companies being voluntary and not required by law; though blanks were sent to all companies of this class known to the Commissioner. The reports received are as follows:

ATLANTIC & LAKE ERIE RAILWAY COMPANY.

[The following letter in relation to this company was received from the President of the company]:

BUCYRUS, OHIO, September 11, 1871.

Hon. Geo. B. Wright, Commissioner of Railroads and Telegraphs :

SIR: The Atlantic and Lake Erie Railway Company having no part of its road completed and in operation, it is understood that no detailed report is required.

During the year ending June 30, 1871, much progress was made in preparation for the construction of the road; large additional subscriptions to the capital stock of the company secured; and the work on the tunnel sections in Perry county continued.

Under the act of May 2d, 1871, the contemplated route of the road, between New Lexington, in Perry county, and Granville, in Licking county, was so altered as to extend into and through Fairfield county.

The work of construction is now being vigorously prosecuted, and it is expected that one hundred (100) miles of the road will be in operation by the 30th of June next, and the road between the coal fields and Toledo, one hundred and seventy-six miles, opened for business by the 1st of October, 1872.

At the annual meeting of the stockholders, in January, 1871, the number of directors was increased to eleven.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

<i>Names of Directors.</i>	<i>Pos-toffice Address.</i>
A. Lansdale	Prairie Depot, Wood county, Ohio.
Chas. Foster	Fostoria, Ohio.
A. Saffell	Sycamore, Wyandot county, Ohio.
D. W. Swigart	Bucyrus, Ohio.
David Richards	Mt. Gilead, Ohio.
G. B. Johnson	Granville, Ohio.
R. E. Huston	New Lexington, Ohio.
James Taylor	New Lexington, Ohio.
J. P. Weethee	Mt. Auburn, Athens county, Ohio.
D. B. Stewart	Athens, Ohio.
V. B. Horton	Pomeroy, Ohio.

D. W. Swigart, President Bucyrus, Ohio.
 J. B. Gormly, Secretary and Treasurer Bucyrus, Ohio.
 Jno. B. Gregory, Chief Engineer..... Bucyrus, Ohio.

I have the honor to be, sir, very respectfully,

D. W. SWIGART, *President.*

CINCINNATI & BALTIMORE RAILWAY CO.

[The road of this company, as projected, is to extend from Cincinnati to Loveland, 23½ miles, but only 7 miles (at the Cincinnati end) is now under process of construction. Five and one-half miles of the road is now laid with iron. It is still in the hands of the contractors, and is operated by them.]

EXPENDITURES FOR CONSTRUCTION.

Expenditures up to June 30, 1871, from the date of commencement of the road, as follows:

For grading and masonry (embankment, \$137,419.78; masonry, \$99,401.45) ..	\$236,821 23
For bridges	33,350 31
For superstructures	9,259 64
For iron rails, chairs and spikes	75,382 59
For timber and ties	12,433 65
For right of way	191,060 95
For fencing	1,183 23
For civil engineering	10,127 63
For interest in discount on bonds, &c.	38,639 80
For contingent expenses	9,828 88
For real estate, most of which will be used for right of way and depot grounds	81,597 02
For use of locomotives, making embankment	23,467 62
Total	723,152 55
Amount per mile of road (7 miles under construction)	103,307 50

AS TO STOCK AND DEBTS.

Capital Stock.

The amount of capital stock authorized	\$500,000 00
The amount of capital stock paid in—common	\$363,650 00
The amount of capital stock subscribed, but not yet paid	2,950 00
Total amount of stock	366,600 00
Increase of stock since June 30, 1870, by subscriptions to original capital..	200,100 00
Amount of stock paid per mile of road, (7 miles)	51,950 00

Debts.

The amount of funded debt, (giving classes,) as follows:

1st mortgage bonds, (due January 1, 1900)	\$134,000 00
Increase of funded debt since June 30, 1870	10,000 00
The amount of floating debt, (that is, debts not secured by mortgage)	225,502 55
Increase of floating debt since June 30, 1870	130,095 35

Total amount of funded and floating debts	\$359,502 55
Increase of funded and floating debt since June 30, 1870	140,095 35
Amount of debt per mile of road, (7 miles)	51,357 50
Total amount of stock and debt	726,102 55
Total amount of stock and debt per mile, (7 miles)	103,307 50

LENGTH OF LINE.

Length of single main track laid with iron	5½ miles.
--	-----------

BRIDGES.

There are four iron bridges on the road. Description, lengths, etc., not given.

NAMES AND RESIDENCE OF THE AND OFFICERS OF THE COMPANY.

<i>Names of Directors.</i>	<i>Post-office address.</i>
John King, Jr.	Baltimore, Md.
C. Oliver O'Donnell	"
John Donnell Smith	"
Wm. T. McClintick	Chillicothe, O.
Wylie H. Oldham	Marietta, O.
W. W. Scarborough	Cincinnati, O.
Kenner Garrard	"
W. T. McClintock, President	Cincinnati, O.
Chas. F. Low, Secretary	"
Wm. E. Jones, Treasurer	"
John Waddle, Engineer	"

[Report duly subscribed and sworn to, by Wm. T. McClintick, President, before C. B. DeCamp, Notary Public, in and for Hamilton county, Ohio, Oct. 13, 1871.]

MANSFIELD, COLDWATER AND LAKE MICHIGAN RAILROAD COMPANY.

The Mansfield, Coldwater and Michigan Railway Company was consolidated with the Ohio and Michigan Railroad Company, by articles bearing date December 28, 1870, which were ratified and became effective May 10, 1871. The consolidated company bears the name of "The Mansfield, Coldwater and Lake Michigan Railroad Company." Capital stock \$4,000,000, in shares of \$50 each. The consolidated road to extend from the city of Mansfield, Ohio, to the village of Allegan, in the State of Michigan. The whole road is under contract and process of construction.

EXPENDITURES FOR CONSTRUCTION.

Expenditures up to June 30, 1871, from the date of commencement of the road, as follows:

Civil engineering	\$6,000 00
Contingent expenses	2,000 00
Total	\$8,000 00

AS TO STOCK AND DEBTS.

Capital Stock.

The amount of capital stock authorized	\$4,000,000 00
The amount of capital stock paid in (common)	\$7,000 00
The amount of capital stock subscribed but not yet paid..	583,000 00
Total amount of stock.....	590,000 00

CHARACTERISTICS, ETC.

Length of Entire Line.

Length of entire line as projected	218 miles.
Length of line as projected, in Ohio	120 "

Up to June 30, 1871, but little work was done in Ohio, though nearly all the line in Michigan was graded.

CROSSINGS.

What railroads cross or are crossed by your road, at grade, within this State?

Lake Erie Div. B. & O. R. R., at Mansfield.

Atlantic and Great Western Railway, at Mansfield.

C. C. C. & I. Railroad, at a point 3 miles south of Shelby.

C. I. & C. R. R., at Tiffin.

Lake Erie and Louisville R. R., at Fostoria.

Dayton and Michigan R. R., at Weston.

Toledo, Wabash and Western R'y, at Napoleon.

Lake Shore and Michigan Southern R'y, at Archibald.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

<i>Names of Directors.</i>	<i>Post-offices Address.</i>
Willard S. Hickox	Mansfield, Ohio.
James H. Cook	" "
Andrew L. Grimes	" "
Hubbard Colby	" "
Barnabas Burns	" "
Henry H. Sturges	" "
Henry C. Lewis	Coldwater, Michigan.
J. G. Parkhurst	" "
F. V. Smith	" "
J. S. Youngs	" "
Jos. Fisk	Allegan, "
Victory P. Collier	Battle Creek, "
T. B. Skinner	" "
Willard S. Hickox, President	Mansfield, Ohio.
Henry C. Lewis, Vice President	Coldwater, Michigan.
Henry C. Hedges, Secretary	Mansfield, Ohio.
Jno. S. Youngs, Assistant Secretary	Coldwater, Michigan.
D. B. Dennis, Treasurer	" "
Henry H. Sturges, Assistant Treasurer	Mansfield, Ohio.
N. Gleason, Engineer	Coldwater, Michigan.

[Report duly subscribed and sworn to by Willard S. Hickox, President, November 18, 1871, before Robt. B. McCrory, Notary Public in and for Richland county, Ohio.]

MARIETTA AND PITTSBURGH RAILROAD COMPANY.

[Road all in Ohio, as projected, from Marietta to Dennison, 110 miles.]

OFFICE OF THE MARIETTA AND PITTSBURGH R. R. CO.,

MARIETTA, OHIO, September 15th, 1871.

To Hon. Geo. B. Wright, Commissioner of Railroads and Telegraphs :

SIR:—I beg leave to report that the Marietta and Pittsburgh Railroad has been in process of construction during the past year, under a contract, covering the line from Marietta to Caldwell, and that on the 30th of June about twenty-five miles of track were laid.

Work has been going on, also, in the way of building station houses, water stations, sidings, a work-shop, etc., but at the date named most of the work was in an incomplete state, and the Company have not the data, as yet, from which to make up the detailed report indicated in the blank forms furnished from your office. Such parts, however, as could be, have been filled up.

On the 23d of March last, a passenger and some freight cars were attached to a construction train, but trains for business were not regularly run till after the 30th of June.

The authorized capital stock pertaining to the whole line is \$1,500,000—but on June 30th, the subscriptions pertaining to the upper division of the route were more or less conditioned upon routes, etc., (questions not yet altogether determined) so that the Company could not tell what their actual and available subscriptions were. During the present year these questions will doubtless be determined, when the exact statistics can be given.

I have the honor to be,

Very respectfully yours,

A. J. WARNER, Gen. Sup't.

[In addition to the foregoing communication, the following report as to characteristics, names of officers, etc., is made]:

CHARACTERISTICS, ETC.

Bridges and Trestles.

Number of wooden bridges, and aggregate length in feet:

Number	2
Aggregate length.....	240 ft.

Number of wooden trestles, and aggregate length in feet:

Number	17
Aggregate length.....	5,000 ft.

The greatest age of wooden bridges.....	1 yr.
---	-------

The average age of wooden bridges.....	$\frac{1}{2}$ yr.
--	-------------------

The greatest age of wooden trestles.....	1 $\frac{1}{2}$ yrs.
--	----------------------

The number and kind of new bridges built within the year, (ending June 30, 1871,) and length in feet:

Bridge.	Kind.	Whether wood, stone or iron.	Length in in feet.	When built— date.
1.....	Howe Truss.....	Wood	123	September, 1870.
1.....	"	"	117	May, 1871.

FENCING.

The length of road unfenced on either side [both sides] and the reason therefor :
Mostly unfenced. Fencing now in progress—cost \$1.50 per rod.

EQUIPMENT.

Number of locomotives	2
Number of passenger cars	2
Number of express and baggage cars	2
Number of freight cars	20

SPEED OF TRAINS.

Miles per hour.

The average rate of speed allowed by express passenger trains when in motion	15
The average rate of speed allowed by freight trains when in motion	8

RATES FOR TRANSPORTATION.

Passengers.

The rate of fare charged per mile for passengers :

First class.

Highest rate per mile for the shortest distance passengers are carried	5 cents.
Highest rate per mile for distances more than 5 and less than 15 miles	3 "
Highest rate per mile for distances more than 15 and less than 30 miles	3 "

Freight.

The rate per ton per mile charged for the various classes of freight—through and local.	First Class.	Second Class.	Third Class.	Fourth Class.	Fifth Class.
	Cents.	Cents.	Cents.	Cents.	Cents.
Highest rate per ton per mile for the shortest distance freight is carried	55	50	41	28	14
Highest rate per ton per mile for distances of more than 5 and less than 15 miles	35	31	23	17	8½
Highest rate per ton per mile for distances of more than 15 and less than 30 miles	19	18	16½	15	7½

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

<i>Names of Directors.</i>	<i>Post-office Address.</i>
Wm. P. Cutler	Constitution, Ohio.
R. R. Dawes	Marietta, "
Samuel Shipman	" "
James Dutton	" "
Wm. P. Richardson	" "
Wm. H. Frazier	Caldwell, "
David McKee	South Olive, "
Wm. P. Cutler, President	Constitution, "
Wm. H. Frazier, Vice President	Caldwell, "
J. A. Kingsbury, Secretary	Marietta, "
Samuel Shipman, Treasurer	" "
A. J. Warner, Superintendent and Master of Transportation	" "

James McArthur, Engineer.....Marietta, Ohio.
J. A. Kingsbury, Gen. Ticket and Freight Agent....." "

[Report duly subscribed and sworn to by A. J. Warner, General Superintendent, before Dudley S. Nye, a Notary Public in and for Washington county, Ohio, Sept. 18, 1871.]

NEWARK, SOMERSET AND STRAITSVILLE RAILROAD.

[The road of this company, as now projected, is to extend from Newark, Licking county, to "Shawnee City," Perry county, 44 miles. The road is now in the hands of the contractors, who operate that part of it now completed, (24 miles, from Newark to Somerset,) in connection with the construction. The contractors will continue to operate the road until its completion, not to extend beyond Feb. 1, 1872. The following report presents all the information, asked for in the blank, that it is now practicable to give.]

EXPENDITURES FOR CONSTRUCTION.

Expenditures up to June 30, 1871, (from the date of commencement of the road,) as follows:

For grading and masonry	\$490,000 00
Bridges	35,000 00
Superstructures	236,000 00
Iron rails, chairs and spikes.....	200,000 00
Timber and ties	36,000 00
Right of way.....	45,000 00
Civil Engineering.....	11,000 00
Engine and car houses	2,500 00
Locomotives and fixtures.....	18,000 00
Freight and other cars.....	13,000 00
Total.....	\$1,086,500 00
Amount per mile of road (as far as completed).....	29,000 00

AS TO STOCK AND DEBTS.

Capital Stock.

Amount of capital stock authorized	\$800,000 00
Amount of capital stock paid in (common).....	\$305,000 00
Amount of capital stock subscribed but not yet paid.....	195,000 00
Total amount of stock.....	500,000 00
Amount of stock per mile of road (44 miles).....	11,363 64

Debt.

Amount of funded debt, 1st mortgage bonds (due November 1, 1889).....	800,000 00
Amount of debt per mile of road (44 miles).....	18,181 82
Total amount of stock and debt.....	1,300,000 00
Amount of stock and debt per mile (44 miles).....	29,545 46

AS TO CHARACTERISTICS OF THE ROAD, ETC.

Length of line.

Length of line as projected (main line 42 miles, Shawnee branch 2 miles)... 44 miles.
 Length of road now laid with iron 24 miles.
 All that part laid with iron is ballasted with gravel and spaul.

Crossings.

What railroads cross or are crossed by your road, at grade?
 The Cincinnati and Muskingum Valley Railway, at Wolf's station.

Bridges and Trestles.

Number of bridges, and aggregate length in feet:
 Two Howe Truss wooden bridges; aggregate length 240 feet.
 Eight pile bridges, (some yet incomplete); aggregate length 1,200 feet.
 Number of wooden trestles, and aggregate length in feet:
 Number..... 5
 Aggregate length..... 1,300 feet.
 The number and kind of new bridges built within the year (ending June 30, 1871), and length in feet:

Bridge.	Kind.	Whether wood, stone, or iron.	Length in feet.
Raccoon	Howe Truss	Wood	120
South Fork	"	Wood	120
"	Pile	Wood	330
Musselman Trestle	Trestle	Wood	80
Hog Run	Pile	Wood	80
Jonathan Creek	{ No. 1, 90 feet	Wood	212
	{ No. 2, 122 feet	Wood	
Other piling	Not named	Wood	578
North Somerset	Trestle	Wood	540
South Somerset	"	Wood	570
Other trestle	Not named	Wood	110

Fencing.

The length of road unfenced on either side [both sides], and the reason therefor.
 As far as finished (24 miles) the road is fenced, principally by the land owners.
 Can you state what proportion of your line the land holder is obligated to fence?
 About one-third.

Iron rail laid.

The length of new iron rail laid within the year, fish plate iron..... 24 miles.

NAMES AND RESIDENCE OF THE DIRECTORS AND OFFICERS OF THE COMPANY.

<i>Names of Directors.</i>	<i>Post-office Address.</i>
Thomas J. Davis.....	Newark, Ohio.
William Shields	"
William D. Hamilton	"
James L. Birkey	"
Frank G. McCune	"

Dixon Brown.....	Somerset, Ohio.
Martin Birkey	"
Wm. M. Ream	"
Isaac Yost.....	"
Curtiss Trovenger	Thornville, Ohio.
Thomas J. Davis, President	Newark, Ohio.
Frank G. McCune, Secretary	"
William D. Hamilton, Treasurer.....	"
Isaac B. Riley, Engineer	"

[Report duly subscribed and sworn to by Thos. J. Davis, President, before James L. Birkey, Notary Public in and for Licking county, Ohio, Sept. 25, 1871.]

COMPANIES INCORPORATED WITHIN THE YEAR.

The following is a list of new railroad and telegraph companies that have been incorporated within the year ending June 30, 1871 :

LAKE SHORE AND TUSCARAWAS VALLEY RAILWAY COMPANY.

Certificate filed July 2, 1870. Capital stock, \$750,000.

To build a railroad to commence at or near Berea, Middleburgh township, Cuyahoga county, passing through or into the counties of Cuyahoga, Medina, Lorain, Summit, Wayne, Stark and Tuscarawas, and to terminate at Mill township, Tuscarawas county, on the line of the Pan Handle, [P. C. & St. L. R'y.,] with a branch, to commence at the town of Elyria, Lorain county, and terminate at a convenient point on said main line, in the adjoining county of Medina.

LAKE SHORE, LOUISVILLE AND SOUTHWESTERN RAILWAY COMPANY.

Certificate filed July 5, 1870. Capital, \$4,000,000.

To build a railroad commencing at Huntsville, Logan county, and thence through the counties of Champaign, Miami, Montgomery and Preble, striking the State line of Indiana at or near College Corner, Butler county, Ohio.

LAKE SHORE, COLUMBUS AND OHIO RIVER RAILROAD COMPANY.

Certificate filed July 23, 1870. Capital stock, \$2,500,000.

To build a Railroad from Columbus, Franklin county, through the counties of Pickaway, Ross and Pike, to Portsmouth, Scioto county.

PITTSBURGH, CANTON AND CHICAGO RAILWAY COMPANY.

Certificate filed August 12, 1870. Capital stock, \$600,000.

To build a railroad from New Lisbon, Huron county, intersecting the western terminus of the Pittsburgh, Canton & Chicago Railroad, to a point on the line between the States of Ohio and Indiana, in Florence township, Williams county, passing through the counties of Huron, Seneca, Hancock, Wood, Henry, Defiance and Williams.

BALTIMORE, PITTSBURGH AND CHICAGO RAILWAY COMPANY.

Certificate filed August 24, 1870. Capital stock, \$3,000,000.

To build a railroad from a point on the line between Ohio and Pennsylvania, in Middleton township, Columbiana county, to a point on the line between Ohio and Indiana, in Florence township, Williams county, passing through the counties of Columbiana, Stark, via Canton, Wayne, via Wooster, Ashland, Richland, Huron, Seneca, Hancock-Wood, Henry, Defiance and Williams.

CHESAPEAKE, CINCINNATI AND CHICAGO RAILROAD COMPANY.

Certificate filed August 29, 1870. Capital, \$1,000,000.

To build a railroad from a point on the Ohio river, in Lawrence county, near the mouth of Symmes creek, to Cincinnati, Hamilton county, and Dayton, Montgomery county; passing through the counties of Lawrence, Scioto, Pike, Highland, Brown, Clinton, Clermont and Hamilton, and the counties of Greene and Montgomery, and passing through the corporate limits of Ironton, Lawrence county, Portsmouth, Scioto county, Piketon, Pike county, and Hillsboro, Highland county.

FAYETTEVILLE AND BLANCHESTER RAILROAD COMPANY.

Certificate filed August 29, 1870. Capital stock, \$40,000.

To build a railroad from Fayetteville, Brown county, to Blanchester, Clinton county, passing through portions of said counties.

CINCINNATI AND SPRINGFIELD RAILWAY COMPANY.

Certificate filed September 9, 1870. Capital stock, \$5,000,000.

To build a railroad from Springfield to Cincinnati, passing through the counties of Clarke, Montgomery, Greene, Warren, Butler and Hamilton.

BALTIMORE SHORT LINE RAILWAY COMPANY.

Certificate filed September 9, 1870. Capital stock, \$500,000.

To build a railroad from Athens to Belpre, through the counties of Athens and Washington.

LIBERTY AND VIENNA RAILROAD COMPANY.

Certificate filed September 14, 1870.* Capital stock, \$200,000.

To build a railroad beginning at the end of the railroad of the Church Hill Coal Company, near the center of Liberty township, Trumbull county, and running northwardly in said county, into the township of Vienna, to a point at or near the center of Vienna, to be nearly six miles in length, all in Trumbull county.

MORENCI AND WAUSEON RAILROAD COMPANY.

Certificate filed September 24, 1870. Capital stock, \$100,000.

To build a railroad from a point on the Michigan and Ohio State line nearest the village of Morenci, in Lenawee county, Michigan, to a point in Warren, Fulton county, Ohio, on the Air Line Division of the Lake Shore and Michigan Southern Railway—all in Fulton county.

HAMILTON AND LOVELAND RAILROAD COMPANY.

Certificate filed October 27, 1870. Capital stock, \$100,000.

To build a railroad from Hamilton, Butler county, to Loveland, Warren county, passing through Butler and Warren counties.

* The above certificate was filed to settle a doubt which had arisen as to whether the original certificate (filed December 7, 1868) was, in all respects, properly executed.

PIQUA, ST. MARY'S AND CELINA RAILWAY COMPANY.

Certificate filed November 4, 1870. Capital stock, \$400,000.

To build a railroad from the town of Piqua, Miami county, to the village of Celina, Mercer county, passing through the counties of Miami, Shelby, Auglaize and Mercer.

PAINESVILLE AND YOUNGSTOWN RAILROAD COMPANY.

Certificate filed November 17, 1870. Capital stock, \$2,000,000.

To build a railroad from a point in Painesville township, Lake county, to a point in Youngstown township, Mahoning county, passing through the counties of Lake, Geauga, Trumbull and Mahoning.

HUDSON BRANCH RAILROAD COMPANY.

Certificate filed November 28, 1870. Capital stock, \$1,000,000.

To build a railroad from a point in the township of Chardon, Geauga county, to a point in the township of Hudson, Summit county, passing through Geauga, Cuyahoga and Summit counties.

DAYTON AND MINERAL REGION RAILROAD COMPANY.

Certificate filed December 14, 1870. Capital stock, \$2,500,000.

To build a railroad from Dayton, Montgomery county, to Bellair, Belmont county, passing through the counties of Montgomery, Greene, Clarke, Madison, Fayette, Franklin, Pickaway, Fairfield, Perry (via Somerset), Morgan, Muskingum, Noble, Guernsey, Monroe and Belmont.

PAINESVILLE AND OHIO VALLEY RAILROAD COMPANY.

Certificate filed December 27, 1870. Capital stock, \$1,200,000.

To build a railroad from a point in Painesville township, Lake county, to a point in Youngstown township, Mahoning county, passing through Lake, Geauga, Trumbull and Mahoning counties.

WEST BRANCH OF PAINESVILLE AND OHIO VALLEY RAILROAD COMPANY.

Certificate filed December 28, 1870. Capital stock, \$1,000,000.

To build a railroad from a point in Chardon township, Geauga county, to a point in Hudson township, Summit county, to pass through the counties of Geauga, Cuyahoga and Summit.

WHEELING AND TOLEDO RAILROAD COMPANY.

Certificate filed February 1, 1871. Capital stock, \$1,000,000.

To build a railroad from the town of Bridgeport, Belmont county, to the city of Toledo; to pass through the counties of Belmont, Harrison, Tuscarawas, Stark, Holmes, Wayne, Ashland, Richland, Crawford, Huron, Seneca, Sandusky, Ottawa, Wood and Lucas.

DAYTON, STILLWATER VALLEY AND SAGINAW RAILROAD COMPANY.

Certificate filed February 2, 1871. Capital stock, \$1,000,000.

To build a railroad from Dayton, Montgomery county; thence by Union, in said county; thence by West Milton and Covington, in Miami county, Versailles, in Darke county, Celina, in Mercer county, Van Wert, in Van Wert county, Paulding Center, in Paulding county, Bryan, in Williams county; and thence to a point on the State line between Ohio and Michigan where a line drawn from Hillsdale, Michigan, to Paulding Center, Ohio, will cross said State line.

LITTLE MIAMI, LEBANON AND DAYTON RAILWAY COMPANY.

Certificate filed February 8, 1871. Capital stock, \$100,000.

To build a railroad from a point on the Little Miami Railroad near Gainsboro, Warren county, to Dayton, passing through Warren and Montgomery counties—Lebanon to be a point on said road.

COLUMBUS AND CIRCLEVILLE RAILROAD COMPANY.

Certificate filed February 8, 1871. Capital stock, \$500,000.

To build a railroad from Columbus, Franklin county, to Circleville, Pickaway county; Lockbourne, in Franklin county, and a point on the National Road between Alum Creek and the present eastern limits of Columbus, to be intermediate points on the road.

CINCINNATI AND MICHIGAN RAILROAD COMPANY.

Certificate filed February 9, 1871. Capital stock, \$1,500,000.

To build a railroad from a point where the line of the Cincinnati and Mackinaw Railroad intersects the north line of Williams county; thence through the village of Bryan; thence through Defiance and Paulding counties; thence through the villages of Paulding, Van Wert and Celina; thence through Darke and Miami counties; thence through the villages of Salem and Germantown, Montgomery county; and thence through Warren, Butler and Hamilton counties to Cincinnati.

MAHONING COAL RAILROAD COMPANY.

Certificate filed February 25, 1871. Capital stock, \$70,000.

To build a railroad from Youngstown, Mahoning county, to a point in Brookfield township, Trumbull county, passing through portions of Mahoning and Trumbull counties.

SOUTHERN OHIO RAILROAD COMPANY.

Certificate filed March 9, 1871. Capital stock, \$2,000,000.

To build a railroad from a point near the mouth of Symmes Creek, in Lawrence county, to the village of Hillsboro, Highland county, passing through Lawrence, Gallia, Jackson, Pike, Highland, Brown, Clermont and Hamilton counties.

OHIO AND MICHIGAN RAILROAD COMPANY.

[Another company, bearing same name, was incorporated June 17, 1870, with a different proposed line.]

Certificate filed March 9, 1871. Capital stock, \$1,000,000.

To build a railroad from Upper Sandusky, Wyandot county, to a point on the north line of Madison township, Williams county; passing through the village of Findlay and the counties of Hancock, Wood, Henry, Fulton and Williams.

NORTH WESTERN OHIO RAILROAD COMPANY.

Certificate filed March 20, 1871. Capital stock, \$300,000.

To build a railroad from a point on the north line of Ohio, Gorham township, Fulton county, to a point on the west line of Ohio, in Florence township, Williams county; passing through Williams and Fulton counties.

EASTERN OHIO RAILROAD COMPANY.

Certificate filed March 21, 1871. Capital stock, \$1,000,000.

To build a railroad from New Philadelphia, Tuscarawas county, to Pomeroy, Meigs county; passing through or into the counties of Tuscarawas, Harrison, Guernsey, Muskingum, Noble, Morgan, Perry, Athens and Meigs.

LAKE SHORE AND SOUTH-WESTERN CENTRAL RAILWAY COMPANY.

Certificate filed March 21, 1871. Capital stock, \$4,500,000.

To build a railroad from Bellefontaine, Logan county, Ohio, to a point on the State line between Ohio and Indiana, at or near College Corners; to pass through Logan, Champaign, Shelby, Miami, Montgomery and Preble counties.

WHEELING AND LAKE ERIE RAILROAD COMPANY.

Certificate filed April 6, 1871. Capital stock, \$500,000.

To build a railroad from a point in Pease township, Belmont county, at the corporation line of Wheeling, West Virginia, to Toledo, Ohio; passing through Belmont, Jefferson, Harrison, Tuscarawas, Carroll, Stark, Wayne, Ashland, Huron, Erie, Sandusky, Ottawa, Lucas and Medina counties, and over such route as the company may determine.

CLEVELAND AND MARIETTA RAILROAD COMPANY.

Certificate filed April 6, 1871. Capital stock, \$500,000.

To build a railroad from a point in Cuyahoga county, at or near Cleveland, to a point in Washington county, at or near Marietta; passing through the counties of Cuyahoga, Medina, Wayne, Holmes, Coshocton, Guernsey, Noble and Washington.

SHAWNEE, MILLERTOWN AND MINERAL RAILROAD COMPANY.

Certificate filed April 21, 1871. Capital stock, \$300,000.

To build a railroad from a point at the mouth of Shawnee run, in Salt Lick township, to the village of Millertown, Monroe township, all in Perry county.

LAKE ERIE, EVANSVILLE AND SOUTH-WESTERN RAILWAY COMPANY.

Certificate filed April 22, 1871. Capital stock, \$2,500,000.

To build a railroad from Bellefontaine, Logan county, to a point on the State line between Ohio and Indiana, at or near the village of College Corners, in Preble county.

SCIOTO VALLEY RAILROAD COMPANY.

Certificate filed May 4, 1871. Capital stock, \$1,000,000.

To build a railroad from Circleville, Pickaway county, to Portsmouth, Scioto county; passing through Pickaway, Ross, Pike and Scioto counties.

TOLEDO AND ST. LOUIS AIR LINE RAILROAD COMPANY.

Certificate filed May 5, 1871. Capital stock, \$1,500,000.

To build a railroad from Toledo to a point on the State line, in Harrison or Tully townships, in Van Wert county, to connect with the Toledo, Thornton & St. Louis Railroad, of Indiana; passing through the counties of Lucas Henry, Wood, Putnam, Defiance, Paulding and Van Wert.

OHIO VALLEY RAILWAY COMPANY.

[Another company, bearing same name, but with a different proposed line, was incorporated March 30, 1870.]

Certificate filed May 8, 1871. Capital stock, \$1,000,000.

To build a railroad from Bellaire, Belmont county, to Ironton, Lawrence county; passing through Belmont, Monroe, Washington, Athens, Meigs, Gallia and Lawrence counties.

HAZELTON AND LEETONIA RAILWAY COMPANY.

Certificate filed May 9, 1871. Capital stock, \$200,000.

To build a railroad from a point on the Cleveland & Mahoning Railroad, at Hazelton, Youngstown township, Mahoning county, to a point on the Niles & New Lisbon Railway, 500 feet north of the Leetonia Blast Furnace, in the village of Leetonia, Salem township, Columbiana county; passing through Mahoning and Columbiana counties.

NEWARK, DELAWARE AND NORTH-WESTERN RAILWAY COMPANY.

Certificate filed May 12, 1871. Capital stock, \$3,000,000.

To build a railroad from Newark, Licking county, to a point on the State line between Ohio and Michigan, at or near the town of Northwest, Ohio.

OHIO AND LAKE ERIE RAILROAD COMPANY.

Certificate filed May 20, 1871. Capital stock, \$300,000.

To build a railroad from a point in Mahoning county, at or near Youngstown, to a point at or near Liverpool, Columbiana county; passing through Mahoning and Columbiana counties.

DAYTON AND BURLINGTON RAILWAY COMPANY.

Certificate filed June 20, 1871. Capital stock, \$600,000.

To build a railroad from Dayton, Montgomery county, to a point at or near the town of Burlington, Clinton county; passing through Montgomery, Green, Warren and Clinton counties.

YOUNGSTOWN AND AUSTINTOWN RAILWAY COMPANY.

Certificate filed June 22, 1871. Capital stock, \$100,000.

To build a railroad from Youngstown, Mahoning county, to a point on the Niles and New Lisbon Railway, at or near Weaver's Corners, in Austintown township—all in Mahoning county.

JACKSON AND MAUMEE RIVER RAILWAY COMPANY.

Certificate filed June 22, 1871. Capital stock, \$150,000.

To build a railroad from a point on the State line between Ohio and Michigan, near the village of Morenci, Lenewee county, Michigan, through the towns of Wauseon Fulton county, and Grand Rapids, Wood county, to a point in the village of Westfield Wood county, Ohio; passing through the counties of Fulton, Lucas, Henry and Wood.

TELEGRAPH COMPANY.

UNION TELEGRAPH COMPANY.

Certificate filed August 12, 1870. Capital stock, \$4,000.

To construct a line of telegraph from a point in the village of Medina, Medina county, to Canton, in Stark county, passing through the counties of Medina, Summit and Stark.

ANNUAL REPORTS
OF
TELEGRAPH COMPANIES,
FOR THE
YEAR ENDING JUNE 30, 1871.

ANNUAL REPORT
OF THE
ATLANTIC AND PACIFIC TELEGRAPH COMPANY,
For the year ending June 30, 1871.

ASSETS AND LIABILITIES.

1st. Assets, June 30, 1871 :		
Telegraph and equipment		
Real estate		
Due from offices.....		
Bills receivable		
Cash on hand.....		
Due from all other sources.....		
Total.....		
2nd. Liabilities, June 30, 1871 :		
Capital stock issued.....		
Bonds outstanding		
All other indebtedness.....		
Total.....		

COST OF LINE AND EQUIPMENT.

Total cost of entire line and equipment.....	
Cost per mile to complete the line and equipment ready for use.....	
Total cost of line and equipment in Ohio	

VALUE OF LINE AND EQUIPMENT, JUNE 30, 1871.

	Poles.	Wire.	All other property.	Total.
Value of entire line and equipment				
Value of line and equipment per mile.....				
Value of line and equipment in Ohio.....	\$7,960 00	\$27,425 00	\$3,000 00	\$38,385 00

CHARACTERISTICS OF THE LINE.

ENTIRE LINE.

Total number of miles of line (poles) owned and operated by the company.	2,575
Total number of miles of wire owned and operated by the company	6,041

IN OHIO.

Total number of miles of line (poles) owned and operated by the company in Ohio	398
Total number of miles of wire.....	{ Galvanized..... 936 Compound 161—Total..... 1,097
Number of poles to the mile in Ohio.....	35
Number of offices in Ohio	25
Number of persons employed in operating the line in Ohio.....	38
Number of miles of line (poles) used jointly with railroad companies in Ohio	155

MESSAGES SENT AND RECEIVED WITHIN THE YEAR ENDING JUNE 30, 1871.

Number of messages sent within the year in Ohio (estimated)	50,000
Number of messages received within the year in Ohio (estimated)	50,000
No record of messages kept exclusively for Ohio.	

TARIFF OF RATES FOR THE TRANSMISSION OF MESSAGES.

Distances.	Rate for ten words.		Each additional word.	
	Highest rates.	Lowest rates.	Highest rates.	Lowest rates.
For 25 miles or under.....	25 cents.	20 cents.	2 cents.	2 cents.
" 25 " and " 50 miles.....	30 "	25 "	2 "	2 "
" 50 " " " 75 "	35 "	30 "	2 "	2 "
" 75 " " " 100 "	35 "	35 "	2 "	2 "
" 100 " " " 150 "	40 "	40 "	3 "	3 "
" 150 " " " 200 "	45 "	40 "	3 "	3 "
" 200 " " " 250 "	60 "	50 "	4 "	3 "
" 250 " " " 300 "	70 "	65 "	5 "	4 "
" 300 " " " 350 "	75 "	70 "	5 "	5 "
" 350 " " " 400 "	80 "	75 "	5 "	5 "
" 400 " " " 450 "	90 "	90 "	6 "	6 "
" 450 " " " 500& upwards	100 "	100 "	7 "	7 "

RECEIPTS AND EXPENDITURES FOR THE YEAR ENDING JUNE 30, 1871, IN OHIO.

Total earnings for the year of the line in Ohio	
Total expenditures for the year, for maintenance of line, including salaries of officers, operators, clerks, etc., in Ohio	
Surplus	
We keep no separate records of receipts and expenses of Ohio offices.	

AMOUNT OF TAXES PAID IN OHIO, FOR THE YEAR ENDING JUNE '30, 1871.

Government taxes paid in Ohio—(none paid.)

State taxes paid in Ohio

Total taxes paid in Ohio

No separate account is kept of Ohio State taxes.

NAMES AND RESIDENCE OF THE TRUSTEES AND OFFICERS OF THE COMPANY.

TRUSTEES.	RESIDENCE.
John Allen, Jr.	Buffalo, N. Y.
Oliver Ames	Boston, Mass.
Cheney Ames	Oswego, N. Y.
C. S. Bushnell.....	New Haven, Conn.
W. Blair	Chicago, Ill.
Elisha Brooks.....	New York.
James Brooks.....	New York.
Edward Burkhardt.....	New York.
Abijah W. Chapin	Springfield, Mass.
Sydney Dillon.....	New York.
John Duff.....	Boston, Mass.
W. L. Evans	Cincinnati, O.
H. M. Flagler	Cleveland, O.
T. J. S. Flint	Chicago, Ill.
Rufus R. Graves.....	New York.
Geo. Griswold Gray.....	New York.
Wm. H. Guion.....	New York.
Rowland G. Hazard	Peacedale, R. I.
C. A. Lambard	New York.
John S. Lyle	New York.
S. H. Marks	Lockport, N. Y.
James N. Matthews.....	Buffalo, N. Y.
C. H. McCormick.....	New York.
S. D. McMillan	Cleveland, O.
John H. Mortimer.....	New York.
Allen Munroe.....	Syracuse, N. Y.
Alfred Nelson	New York.
O. Noble	Erie, Pa.
Sam'l U. F. Odell.....	New York.
Lansing Pruyn	Albany, N. Y.
James Sayre	Utica, N. Y.
W. D. Snow	New York.
Angus Smith	Milwaukee, Wis.
Henry A. Smythe.....	New York.
Henry M. Taber.....	New York.
E. H. Van Kleeck	New York.
John G. Vose.....	New York.
A. F. Willmarth.....	New York.

H. D. Walbridge	New York.
Horace S. Walbridge	Toledo, O.
Arthur F. Willmarth, President.....	New York.
Wm. H. Guion, } Vice Presidents, {	New York.
John Duff, }	Boston, Mass.
Alfred Nelson, Secretary and Treasurer	New York.
E. D. L. Sweet, General Superintendent	_____

Communications intended for this company should be addressed as follows :

Atlantic and Pacific Tel. Co.,
31 & 33 Broadway,
New York.

[The foregoing statement of the affairs and condition of the Atlantic and Pacific Telegraph Company was duly subscribed and sworn to, Oct. 11, 1871, by Alfred Nelson, Sec'y and Treasurer, before Theodore Ritter, Notary Public, New York.]

ANNUAL REPORT

OF THE

HILLSBORO TELEGRAPH COMPANY,

For the year ending June 30, 1871.

ORGANIZATION.

Give a brief outline of the organization of the company, with date, and stating under what law; also state from and to what points the line extends.

"The Hillsboro Telegraph Company" was organized, under the general law of Ohio, on the 30th day of April, 1864, and chartered May 5th, 1864. Capital stock \$2500.00, in shares of \$25.00 each. Corporators, C. C. Sams, Benj. Barrere, John Dill, John Barry and R. W. Sprague. Line runs from Hillsboro', Highland county, to Blanchester, in Clinton county, through parts of Highland and Clinton counties, 21 miles. Constructed during summer of 1864, and commenced telegraphing August 13th, 1864.

ASSETS AND LIABILITIES.

1st. Assets, June 30, 1871 :

Telegraph and equipment.....	\$2,564 71
Real estate.....	.....
Due from offices.....	.....
Bills receivable.....	161 81
Cash on hand.....	130 22
Due from all other sources.....	.....
Total.....	\$2,856 74

2d. Liabilities, June 30, 1871 :

Capital stock paid in—67 shares.....	\$1,675 09
Bonds outstanding.....	273 17
	1,948 17
Assets over liabilities.....	\$908 57

COST OF LINE AND EQUIPMENT.

Total cost of entire line and equipment.....	\$2,564 71
Cost per mile to complete line and equipment ready for use.....	122 13

VALUE OF LINE AND EQUIPMENT, JUNE 30, 1871.

Poles—Value of poles per mile.....	.....
Total value of poles.....	.....

Wire—Value of wire per mile.....	.....
Total value of wire.....	.....
Other property—Value per mile.....	.....
Total value of other property.....	.....
Total value of line and equipment .....	.....

CHARACTERISTICS OF THE LINE.

Total number of miles of line (poles) owned and operated by the company.....	21
Total number of miles of wire owned and operated by the company (galvanized, one wire).....	21
Number of poles to the mile (estimated).....	25
Number of offices.....	3
Number of persons employed in operating the line	3
Number of miles of line (poles) used jointly with railroad companies	None.

MESSAGES SENT AND RECEIVED WITHIN THE SEVEN MONTHS ENDING
JUNE 30, 1871.

Number of messages sent within the last seven months.....	342
Number of messages received within the last seven months.....	417

TARIFF OF RATES FOR THE TRANSMISSION OF MESSAGES.

Distances.	Rates for ten words.		Each additional word.	
	Highest rates.	Lowest rates.	Highest rates.	Lowest rates.
For 25 miles or under	40 cents.	35 cents.	3 cents.	3 cents.

RECEIPTS AND EXPENDITURES FOR THE SEVEN MONTHS ENDING JUNE
30, 1871.

Total earnings for the last seven months.....	\$294 38
Total expenditures for the seven months, including salaries of officers, operators and clerks, etc.....	239 29
Surplus	\$55 09

AMOUNT OF TAXES PAID IN OHIO FOR THE YEAR ENDING JUNE 30, 1871.

Government taxes paid (nothing the last seven months) .....	.....
State taxes paid " " .....	.....
Total taxes paid.....	.....

MISCELLANEOUS.

Are messages sent and delivered in the order of their receipt, or are there any preferred classes or orders?

Messages are sent and received in the order of their receipt. No preferred classes.

What are your rules and regulations for doing business with other companies; do you receive messages from and for other telegraph companies or lines, and transmit and deliver them on the same terms that you do messages passing exclusively over your own lines, and what, if any, extra charge do you make for such class of messages?

We receive messages from and for other telegraph companies, and transmit and deliver them on the same terms, with the exception of business for and from other companies we charge for ten words thirty-five and three cents. On local business between termini of lines we charge 40 and 3.

Do you receive, transmit and mail promptly messages to be forwarded by mail beyond or off your own line?

Yes.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.	
James Brown	Hillsboro, Ohio.	
Burch Foraker	"	"
F. F. Kibler	"	"
James Brown, President	"	"
F. F. Kibler, Secretary	"	"
Burch Foraker, Treasurer	"	"

Communications intended for this company should be addressed as follows:

James Brown, President Hillsboro Telegraph Co., Hillsboro, Ohio.

[Report duly subscribed and sworn to by James Brown, President, before Wm. M. Meek, Probate Judge of Highland county, O., September 6, 1871.]

ANNUAL REPORT

OF THE

PACIFIC AND ATLANTIC TELEGRAPH COM- PANY OF THE UNITED STATES.

For the year ending June 30, 1871.

CHARACTERISTICS OF THE LINE.

ENTIRE LINE.

Total number of miles of line (poles) owned and operated by the company on April 1.....	4,102
Total number of miles of wire owned and operated by the company on April 1.....	8,260

IN OHIO.

Total number of miles of lines (poles) owned and operated by the company in Ohio.....	271
Total number of miles of wire owned and operated by the company in Ohio, galvanized, (no plain wire).....	847
Number of poles to the mile in Ohio.....	30 to 40
Number of offices in Ohio.....	14
Number of miles of line (poles) used jointly with railroad companies in Ohio.....	50

MESSAGES SENT AND RECEIVED WITHIN THE YEAR ENDING JUNE 30, 1871.

Number of messages sent within the year in Ohio.....	83,732
Number of messages received within the year in Ohio.....	74,645

TARIFF OF RATES FOR THE TRANSMISSION OF MESSAGES.

No change from report of last year.

Distances.	Rate for 10 words.		Each additional word.	
	Highest rates.	Lowest rates.	Highest rates.	Lowest rates.
For 25 miles or under.....	25 cents.	20 cents.	2 cents.	2 cents.
" 25 " and under 50 miles.....	25 "	20 "	2 "	2 "
" 50 " " 75 "	25 "	20 "	2 "	2 "
" 75 " " 100 "	25 "	20 "	2 "	2 "
" 100 " " 150 "	25 "	20 "	2 "	2 "
" 150 " " 200 "	25 "	25 "	2 "	2 "
" 200 " " 250 "	25 "	25 "	2 "	2 "
" 250 " " 300 "	25 "	25 "	2 "	2 "
" 300 " " 350 "	35 "	25 "	2 "	2 "
" 350 " " 400 "	35 "	25 "	2 "	2 "
" 400 " " 450 "	40 "	35 "	3 "	2 "
" 450 " " 500 "	75 "	60 "	5 "	4 "

Night messages sent after six o'clock P. M. are half the regular tariff rates. This system of "night rates" was inaugurated by this company, and has proven to be of great service to the public.]

ASSETS AND LIABILITIES.

1st. Assets* April 1, 1871:

Telegraph and equipment cost to April 1, 1871.....	\$1,827,030 31
Real estate.....	None.
Due from offices and all other sources.....	23,023 70
Bills receivable.....	3,437 50
Cash on hand.....	78,214 86
Total	\$1,931,706 37

2d. Liabilities* April 1, 1871:

Capital stock issued.....	\$1,887,750 00
Dividends due and uncalled for.....	1,116 06
Bonds outstanding.....	None.
All other indebtedness.....	None.
Total.....	\$1,888,866 06
Assets over liabilities.....	\$42,840 31

COST OF LINE AND EQUIPMENT.

Total cost of entire line and equipment including stationery, etc.....	\$1,827,030 31
Cost per mile to complete line and equipment ready for use, about.....	\$400 00
Total cost of line and equipment in Ohio (271 miles—poles).....	\$108,400 00

* As all accounts of the company are adjusted to conform to the financial year of the company, the return is made of assets and liabilities as made to the stockholders in May, 1871, at the annual election.

VALUE OF LINE AND EQUIPMENT, JUNE 30, 1871.

[If not practicable to give this information accurately, estimate as nearly as possible.]

	Poles.	Wire.	All other property.	Total.
Value of entire line and equipment.....
Value of line and equipment per mile.....
Value of line and equipment in Ohio.....

The accounts of this Company do not contain any such sub-division of cost of line and equipment as would enable these statistics to be given; and the officers of the Company must respectfully decline to make oath to the possibility of mere estimates.

RECEIPTS AND EXPENDITURES FOR THE YEAR ENDING JUNE 30, 1871, IN OHIO.

[If you cannot give this information accurately, estimate as nearly as possible.]

Total earnings for the year of the line in Ohio.....	_____
Total expenditures for the year, for maintenance of line, including salaries of officers, operators, clerks, &c., in Ohio.....	_____
Surplus	_____

The receipts and expenses of the line are not kept by States, but in one general account, and it would be extremely difficult to estimate the value of messages in Ohio, as a message taken in Ohio to a point in any other State would have to be subdivided, to ascertain what belonged alone to Ohio, and to do this the labor would be immense. The same difficulty would attach to estimating what proportion of general expenses should be adjudged to Ohio or any other State.

AMOUNT OF TAXES PAID FOR YEAR ENDING JUNE 30, 1871, IN OHIO.

Government taxes paid	_____
State taxes paid.....	_____
Total taxes paid in Ohio	_____

All taxes being charged to a general account, there is no account on books of the company to show the amount paid for taxation by sectional divisions.

NAMES AND RESIDENCE OF THE OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	POST-OFFICE ADDRESS.
Geo. H. Thurston.....	Pittsburgh, Penn.
Robert J. Anderson.....	" "
Wm. Varnum.....	" "
Edward Jay Allen.....	" "
John W. Ellis	Cincinnati, Ohio.
James L. Shaw.....	Philadelphia, Penn.
J. W. Weir.....	Harrisburg, "
Geo. H. Thurston, President.....	Pittsburgh, "
James L. Shaw, Vice President.....	Philadelphia, "
Edward Jay Allen, Secretary and Treasurer.....	Pittsburgh, "
David McCargo, General Superintendent.....	" "
A. Q. Casselberry, Asst. Gen. Supt.....	" "

[Report duly subscribed and sworn to by David McCargo, the General Superintendent, before E. T. Cassidy, Notary Public, Pittsburgh, Oct. 30, 1871.]

For the year ending June 30, 1871.

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TARIFF OF RATES FOR THE TRANSMISSION OF MESSAGES.

Distances.	Rates for 10 words.		Each additional word.	
	Highest rates.	Lowest rates.	Highest rates.	Lowest rates.
For 25 miles or under.....	50 cents.	15 cents.	3 cents.	1 cents.
" 25 " and " 50 miles.....	65 "	45 "	4 "	3 "
" 50 " " " 75 "	75 "	50 "	5 "	3 "
" 75 " " " 100 "	75 "	65 "	5 "	4 "
" 100 " " " 150 "	90 "	65 "	6 "	4 "
" 150 " " " 200 "	100 "	75 "	7 "	5 "
" 200 " " " 250 "	100 "	75 "	7 "	5 "

RECEIPTS AND EXPENDITURES FOR THE YEAR.

Total earnings of the line for the year \$6,345 54

[Expenses included in report of Marietta & Cincinnati R. R. Co. No separate account kept.]

TAXES PAID.

[Included in report of M. & C. R. R. Co. No separate account kept.]

Communications for this company should be addressed to Wm. W. Peabody, Supt., Cincinnati, Ohio, or J. N. Miller, Manager, Chillicothe, Ohio.

[Duly subscribed and sworn to by Wm. W. Peabody, Superintendent, before C. B. DeCamp, Notary Public in and for Hamilton co., Ohio, August 17, 1871.]

ANNUAL REPORT

OF THE

WESTERN UNION TELEGRAPH COMPANY.

For the year ending June 30, 1871.

ASSETS AND LIABILITIES.

1st. Assets, June 30, 1871:

Telegraph and equipment .....	.....
Real estate .....	.....
Due from offices .....	.....
Bills receivable .....	.....
Cash on hand .....	.....
Due from all other sources .....	.....
Total .....	.....

2nd. Liabilities, June 30, 1871:

Capital stock issued .....	.....
Bonds outstanding .....	.....
All other indebtedness .....	.....
Total .....	.....

No report made by the company within the year.

COST OF LINE AND EQUIPMENT.

Total cost of entire line and equipment .....	.....
Cost per mile to complete line and equipment ready for use .....	.....
Total cost of line and equipment in Ohio .....	.....

VALUE OF LINE AND EQUIPMENT, JUNE 30, 1871.

	Poles.	Wire.	All other property.	Total.
Value of entire lines and equipment
Value of line and equipment per mile
Value of line and equipment in Ohio

CHARACTERISTICS OF THE LINE.

ENTIRE LINE.

Total number of miles of line (poles) owned and operated by the company, about	56,000
Total number of miles of wire owned and operated by the company, about	120,000

IN OHIO.

Total number of miles of wire (poles) owned and operated by the company in Ohio, about	4,231
Total number of miles of wire do. { Galvanized, about.... 6,709	10,348
{ Plain 3,639 Total...	
Number of poles to the mile, in Ohio	20 to 30
Number of offices in Ohio, about	393
Number of persons employed in operating the line in Ohio, about.....	461
Number of miles of line (poles) used jointly with railroad companies in Ohio, about	3,800

MESSAGES SENT AND RECEIVED WITHIN THE YEAR ENDING JUNE 30, 1871.

Number of messages sent within the year in Ohio, about	300,000
Number of messages received within the year in Ohio, about	300,000

TARIFF OF RATES FOR THE TRANSMISSION OF MESSAGES.

Distances.	Rate for 10 words.		Each additional word.	
	Highest rates.	Lowest rates.	Highest rates.	Lowest rates.
For 25 miles or under	25 cents.	15 cents.	2 cents.	1 cent.
" 25 miles and under 50 miles	30 "	15 "	2 "	1 "
" 50 " " 75 "	35 "	18 "	2 "	1 "
" 75 " " 100 "	40 "	20 "	3 "	1½ "
" 100 " " 150 "	55 "	28 "	4 "	2 "
" 150 " " 200 "	70 "	35 "	5 "	2½ "
" 200 " " 250 "	80 "	40 "	5 "	2½ "
" 250 " " 300 "	90 "	45 "	6 "	3 "
" 300 " " 350 "	1 00 "	50 "	7 "	3½ "
" 350 " " 400 "	1 10 "	55 "	7 "	3½ "
" 400 " " 450 "	1 20 "	60 "	8 "	4 "
" 450 " " 500 "	1 30 "	65 "	9 "	4½ "
" 500 " and upward .....	.....	.....	.....	.....

We have some special rates to certain points still lower than the above schedule, say one dollar for distances of one thousand miles; or fifty cents for same distance if the message is sent during the night as a "night message." The night message system, introduced by our company, is now in operation between all of our offices east of the Missouri river. It was formerly confined to the larger and most important commercial offices. This class of messages may be left at any office at any time of day, for transmission as a night message after the close of regular day business. A tariff of only one-half of the day rate would be charged for the transmission of such messages.

Our company now transmits to and from all points on our lines, the official business messages of all civil and military officers of the United States, under the following rates, agreed upon with the Post Master General of the United States, namely: One cent per word for each 250 miles, or fractional part thereof, all words being counted except the date of the month and the place where the message is filed; provided, however, that no message shall be counted as less than twenty-five words.

Arrangements were made by the Western Union Telegraph Company during this year, with the Signal Service Bureau of the United States War Department, for the transmission of Governmental Weather Reports. Chicago, Illinois, was made a western point of concentration for the reports from the South, West, and Northwest. Circuits of from two hundred miles to eighteen hundred miles in length, are made up at Chicago, diverging to San Francisco, Cal., Marquette, Mich., New Orleans, La., New York City, Washington, D. C., &c. Tri-daily weather reports are transmitted over the lines at stated hours, the first classification of reports being sent in the morning, the second in the afternoon, and the third at midnight. Copies of the reports are dropped, in transitu, at such important intermediate places as may have been indicated by the Signal Service Bureau. The reports are bulletined free in the Board of Trade rooms, and furnished free to the newspapers for publication, at all points where the reports are dropped.

This Company receives a tariff of two cents per word for each circuit over which the reports are transmitted, without regard to the length of the circuit. Our extensive facilities enable us to give the Signal Bureau exclusive wires for the transmission of its reports at the hours designated, without interference with our regular commercial business. This service was not undertaken by our Company with a special view as to any pecuniary profit possibly to be derived therefrom, but rather for the purpose of assisting the Government in the prosecution of a question of National interest and of great scientific importance.

RECEIPTS AND EXPENDITURES FOR THE YEAR ENDING JUNE 30, 1871, IN OHIO.

Total earnings for the year, of the line in Ohio, about.....	\$137,000
Total expenditures for the year, for maintenance of line, including salaries of officers, operators, and clerks, &c., in Ohio, about.....	124,000
Surplus	13,000

AMOUNT OF TAXES PAID IN OHIO FOR THE YEAR ENDING JUNE 30, 1871.

Government taxes paid in Ohio.....	\$4,500
State taxes paid in Ohio.....	14,000
Total taxes paid in Ohio	\$18,500

NAMES AND RESIDENCE OF OFFICERS OF THE COMPANY.

NAMES OF DIRECTORS.	RESIDENCE.
Hugh Allan	Montreal, Canada.
Jas. H Banker	New York.
Horace F. Clark	"
Alonzo B. Cornell	"
Harrison Durkee	"
Wm. E. Dodge	"
O. H. Palmer.....	"

Wilson G. Hunt	New York,
George Jones	"
C. Livingston	"
Edwin D. Morgan	"
Wm. Orton	"
E. S. Sanford	"
Augustus Schell	"
John Steward	"
Moses Taylor	"
Daniel Torrance	"
Edward B. Mesley	"
Geo. Walker	Springfield, Mass.
Z. G. Simmons	Kenosha, Wisconsin.
Hiram Sibley	Rochester, New York.
Stillman Witt	Cleveland, Ohio.
R. S. Burrows	Albion, New York.
Emory Cobb	Kankakee, Illinois.
Ezra Cornell	Ithaca, New York.
J. A. Ellis	Chicago, Illinois.
Norwin Green	Louisville, Kentucky.
J. A. Griswold	Troy, New York.
A. W. Greenleaf	New York City.

Wm. Orton, President	New York.
A. B. Cornell, {	.....
Augustus Schell, { Vice Presidents {	.....
O. H. Palmer, {	.....
Geo. Hart Mumford, Secretary	"
O. H. Palmer, Treasurer	"
Anson Stager, General Superintendent Central Div	Chicago, Illinois.

Communications intended for the Company should be addressed as follows:

Anson Stager, General Superintendent Central Div. Western Union Telegraph Company, Chicago, Illinois.

[Report is duly subscribed and sworn to by Anson Stager, General Superintendent Central Division, before Chas. Brodie, a Notary Public in and for Cook county, Illinois, Sept. 11, 1871.]

TABULATED RESULTS

COMPILED FROM

TELEGRAPH REPORTS.

72—Ex. Doc. Pt. I.

TABLE A.—AS TO CHARACTERISTICS OF THE LINES.

Names of Telegraph Companies.	ENTIRE LINES.		IN OHIO.						
	No. of miles of line (poles) operated by the company.	No. of miles of wire of poles rated by the company.	Miles of line (poles).	No. of miles of wire.			No. of persons employed in operating lines.	No. of miles of line used jointly with railroad companies.	
				Galvanized.	Plain.	Total.			
Atlantic and Pacific.....	2,575	6,041	398	936	(a) 161	1,097	25	38	155
Hillsboro	21	21	21	21	.....	21	3	3	None.
Pacific and Atlantic of the U. S.	4,102	8,260	271	847	.....	847	14	47	50
Telegraph line of the M. and C. R. R.	117	222	117	105	117	222	31	46	117
Western Union.....	(b) 56,000	(b) 120,000	(b) 4,231	(b) 6,709	(b) 3,639	(b) 10,348	(b) 393	(b) 461	(b) 3,800
	62,815	134,545	5,038	8,618	3,917	12,535	464	595	4,122

(a) Compound.

(b) Estimated.

TABLE B.—AS TO VALUE OF LINES AND EQUIPMENT IN OHIO.

Names of Telegraph Companies.	Average value of poles per mile.	Total value of poles in Ohio.	Average value of wire per mile.	Total value of wire in Ohio.	Value of all other property in Ohio.	Total value of line and equipment in Ohio.
Atlantic and Pacific	\$7,960 00	.....	\$27,425 00	\$3,000 00	\$38,385 00
Hillsboro	2,564 71
Pacific and Atlantic of the U. S.
Telegraph line of the M. and C. R. R.	\$16 00	1,872 00	\$19 20	4,262 00	3,656 00	9,820 00
Western Union.....

TABLE C.—AS TO RATES FOR THE TRANSMISSION OF MESSAGES.

Names of Telegraph Companies.	For 25 miles and under.			For 25 miles and under 50 miles.			For 50 miles and under 75 miles.			For 75 miles and under 100 miles.			For 100 miles and under 150 miles.		
	Rate for 10 additional words.			Each ad- ditional word.			Rate for 10 additional words.			Rate for 10 additional words.			Rate for 10 additional words.		
	Highest. Cents.	Lowest. Cents.	Each ad- ditional word.	Highest. Cents.	Lowest. Cents.	Each ad- ditional word.	Highest. Cents.	Lowest. Cents.	Each ad- ditional word.	Highest. Cents.	Lowest. Cents.	Each ad- ditional word.	Highest. Cents.	Lowest. Cents.	Each ad- ditional word.
Atlantic and Pacific	25	20	2	30	25	2	35	30	2	35	35	2	40	40	3
Hillsboro	40	35	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pacific and Atlantic of the U. S.	25	20	2	25	20	2	25	20	2	25	20	2	25	20	2
Telegraph Line of the M. & C. R. R.	50	15	3	60	45	4	75	50	5	75	65	5	90	65	6
Western Union	25	15	2	30	15	2	35	18	2	40	20	3	55	28	4
Names of Telegraph Companies.															
Atlantic and Pacific.	Rate for 10 additional words.			Each ad- ditional word.			Rate for 10 additional words.			Rate for 10 additional words.			Rate for 10 additional words.		
	Highest. Cents.			Lowest. Cents.			Highest. Cents.			Highest. Cents.			Highest. Cents.		
	Lowest. Cents.			Each ad- ditional word.			Lowest. Cents.			Lowest. Cents.			Lowest. Cents.		
Atlantic and Pacific	45	40	3	3	3	3	60	50	4	80	75	5	100	100	7
Hillsboro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pacific and Atlantic of the U. S.	25	25	2	2	2	2	25	25	2	35	25	2	75	60	5
Telegraph Line of the M. & C. R. R.	100	75	7	5	5	5	100	75	7	.....	.....	.....	.....	.....	.....
Western Union	70	35	5	24	24	24	80	40	5	110	55	7	130	65	9

Detailed Statement of Payments from Contingent Fund of Commissioner of Railroads and Telegraphs, for the year ending November 15, 1871.

Date.	To whom paid.	For what purpose.	Amount.
1870.			
Nov.	30 F. N. Beebe.....	Copying.....	\$19 00
Dec.	9 L. Curtis.....	Clerical services—temporary.....	25 00
	31 J. M. Comly, P. M.....	Postage.....	2 19
	31 H. B. Stettler.....	Porter two months, to date.....	15 00
1871.			
Jan'y	10 B. E. Allen.....	Ice six months, to 1st inst.....	18 00
Feb.	3 H. B. Stettler.....	Porter one month, to 31st January.....	7 50
	8 J. M. Comly, P. M.....	Postage.....	11 16
	13 A. S. McDonald.....	Lock.....	3 50
	H. B. Stettler.....	Porter half month, to 15th inst.....	3 75
	C. T. Flowers.....	Clerical services—temporary.....	58 90
	L. Curtis.....	" " ".....	26 00
May	2 H. B. Stettler.....	Porter 2½ mos., to 30th April inclusive.....	18 75
	20 Amer. Mer. Union Express Co.....	Carriage of reports and documents.....	*43 30
June	2 H. B. Stettler.....	Porter one month, ending 31st May.....	7 50
	10 Robinson & Co.....	Directory.....	3 00
	22 J. M. Comly, P. M.....	Postage.....	35 21
	30 G. W. Johnson.....	Cleaning carpet.....	14 65
	Amer. M. U. Express Co.....	Forwarding reports, &c.....	* 9 55
	Adams Express Co.....	" " ".....	*27 70
	H. B. Stettler.....	Porter one month, to date.....	7 50
July	10 W. G. Dunn & Co.....	Rugs and oil-cloth.....	33 38
	14 B. E. Allen.....	Ice six months, to 1st inst.....	18 00
	29 B. Hawk.....	Cleaning office.....	2 25
	31 J. T. Wright.....	Porter one month, to date.....	7 50
	Amer. M. U. Express Co.....	Carriage of packages.....	2 40
Sept.	4 J. T. Wright.....	Porter one month, to 31st August.....	7 50
	6 J. M. Comly, P. M.....	Postage.....	19 21
	30 J. T. Wright.....	Porter one month, ending with date.....	7 50
Oct.	19 M. L. Dyne.....	Clerical services—temporary.....	80 00
	L. Curtis.....	" " ".....	38 00
	C. T. Flowers.....	" " ".....	32 00
	30 L. Curtis.....	" " ".....	15 00
Nov.	1 C. T. Flowers.....	" " ".....	52 00
	J. M. Comly, P. M.....	Postage.....	27 78
	W. H. Taylor.....	Porter one month, ending 31st October.....	7 50
	Total.....		\$707 18

* A majority of the reports distributed by the Commissioner were sent by express, as being cheaper than by mail; which accounts for the excess of express charges over former years.

APPENDIX.

APPENDIX.

A.

The several acts conferring authority on the Commissioner and defining duties of the office, with date of passage and reference to page where found in Ohio Laws:

[1867. April 5. Page 111, vol. 64.]

AN ACT

To provide for the appointment of a Commissioner of Railroads and Telegraphs, and to prescribe his duties.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio,* That there shall be appointed by the governor, by and with the advice and consent of the senate, within fifteen days after the passage of this act, a person to be styled the commissioner of railroads and telegraphs, who shall hold his office for the period of two years, and until his successor is appointed and qualified. The person who is so appointed shall be an elector of this state, and shall have no official connection with any railroad, nor during the term of his office own or be interested in the stock, bonds, or other property, or in the employ of any railroad. In case of vacancy by death, resignation, removal from the state or otherwise, the governor shall fill the vacancy and report the name of such appointee to the senate, if in session, and if not, within ten days after the commencement of the next session, who, by the advice and consent of the senate, shall hold his office for the full term of two years, as hereinbefore provided, from the day of his appointment; provided, that if the governor shall at any time become satisfied that the commissioner is inefficient or derelict in the discharge of the duties of his office, or in any way uses the advantage of his position for personal ends, to the disadvantage of the public interest, he is hereby authorized and required, by and with the advice and consent of the senate if it be in session, to remove the said commissioner from office; and if the senate be not in session, to suspend him from the discharge of the duties of said office, temporarily filling the vacancy as provided for in this section, and reporting the facts to the senate when in session.

SEC. 2. Before entering upon the discharge of the duties of his office, said commissioner shall take an oath or affirmation to support the constitution of the United States and of this state, and to faithfully and honestly discharge his duties as such commissioner, and that he is not an officer, stockholder, or employe of any railroad or in any way interested therein; or stockholder, officer, or employe of any express or freight company, doing business on any of the railroads of this state, or interested therein, or a stockholder, officer, or employe of any telegraph company operating in this state.

SEC. 3.* He shall receive for his services four thousand dollars per annum, and be furnished with an office, office furniture and stationery, at the expense of the state. He shall have power to employ a clerk to perform such duties as may be assigned by him, to be paid out of the state treasury, at the rate of twelve hundred dollars per annum.

SEC. 4. Said railroad commissioner shall have the right of passing, in the performance of his duties, on all the railroads in this state, and upon all the trains, and any part thereof, free of charge.

SEC. 5. It shall be the duty of such commissioner, whenever it shall come to his knowledge, either upon complaint or otherwise, or he shall have reason to believe that any of the officers, employes or agents of any railroad in this state are violating any of the laws of this state relating to railroads, to examine into all such violations; and if such complaint shall be found true, he shall report the same to the governor with his annual report, to be laid before the general assembly. In making such examination, he shall have power to issue subpoena for witnesses and administer oaths. He shall prosecute, or cause to be prosecuted, all violations of any of the laws relating to railroads.

SEC. 6. Whenever the commissioner shall have reasonable grounds to believe, either on complaint or otherwise, that any of the tracks, bridges, or other structures of any railroad in this state are in a condition which renders any of them dangerous, or unfit for the transportation of passengers with reasonable safety, it shall be his duty to inspect and examine the same; and if, on such examination, in his opinion any of such tracks, bridges, or other structures or works are unfit for the transportation of passengers with reasonable safety, it shall be his duty to give to the superintendent or other executive officer of the company working or operating said defective track, bridge, or other structure, notice of the condition thereof and of the repairs necessary to place the same in a reasonably safe condition; and may also order and direct the rate of speed of passing trains over such dangerous or defective track, bridge or other structure, until the said repairs are made and the time within which such repairs shall be made by the company; and if any superintendent or other executive officer aforesaid, receiving such notice and order, shall willfully neglect, for the period of two days after receiving such notice and order, to direct the proper subordinate officers of the company to run the passenger trains over such defective track, bridge, or other structure, at the speed so prescribed by the commissioner; or if any engineer, conductor or other employe of such company shall knowingly disobey such order, every such superintendent, officer, conductor, or employe, shall be deemed guilty of a misdemeanor, and on conviction thereof upon indictment shall be fined in any sum not exceeding five hundred dollars, or be imprisoned in the jail of the county in which said indictment may be found, for a period not exceeding one, year, or both, at the discretion of the court. And the commissioner shall have power to wholly stop the running of passenger trains over such defective track, bridge, or other structure. If said company shall neglect, or without reasonable cause, fail to make said repair within the time prescribed by said commissioner, such company, for each and every day that ensues thereafter, and until said repairs are made, shall forfeit and pay to the state the sum of one hundred dollars.

SEC. 7. All prosecutions against railroad companies, or any officer or employe thereof, for forfeitures, penalties or fines for the violation of any of the laws relating to said roads or telegraphs, shall be by action in the name of the State of Ohio, and all moneys arising from such suits shall be paid into the state treasury by the prosecuting attorney or commissioner collecting and receiving the same; and prosecuting attorneys shall be

* Amended April 8, 1871. (Page 55, vol. 68.)

entitled to receive from the state treasury, for their services under the provisions of this act, ten per cent. on all moneys by them collected and paid over.

SEC. 8. It shall be the duty of the prosecuting attorneys of the several counties within, into or through which any railroad is located and worked, upon the application of any persons claiming to be aggrieved by violation of the laws of the state, by the superintendents or other executive officer or employe of such road, whereby penalties have been incurred, upon a careful investigation, and being satisfied that said penalties have been incurred, or upon being instructed and required by the commissioner, to sue for and recover such penalties in the name and for the use of the state of Ohio; provided, that such prosecuting attorney shall not bring any action at the instance of any private party, unless such party shall first become liable for costs, and in case the State fails in such suit, the costs thereof shall be adjudged against such party.

SEC. 9. [Repealed May 13, 1868.]

SEC. 10. Every president or other officer in charge of any railroad, who shall willfully neglect or refuse to make and furnish such report at the time prescribed in section nine, shall forfeit and pay a sum not exceeding one thousand dollars, to be recovered in the name and for the use of the state of Ohio, and he shall be subject to a like penalty for every period of ten days after the time that he shall willfully neglect or refuse to make such report.

SEC. 11. It shall be the duty of the chief manager or agent of each telegraph line or company in this state, annually, during the month of October, to furnish to the commissioner, under oath, such information, and in such form as he may require.

SEC. 12. [Repealed May 13, 1868.]

SEC. 13. This act to take effect from and after its passage.

[1868. May 13. Page 183, vol. 65.]

AN ACT

To amend and supplementary to an act entitled "an act to provide for the appointment of a commissioner of railroads and telegraphs, and to prescribe his duties," passed April 5, 1867. (O. L., vol. 64, page 111.)

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio, That section nine of the above recited act be so amended as to read as follows:*

Section 9. It is hereby made the duty of the president or other officer in charge of each and every railroad company having a line of railroad in this state to make an annual report to the commissioner for the year ending on the 30th day of June preceding, which report shall be verified by the oath or affirmation of such president or other officer in charge, and be filed in the office of the commissioner by the 1st day of September in each year, and shall state:

AS TO STOCK AND DEBTS.

- 1st. The amount of capital stock paid in.
- 2d. The amount of capital stock unpaid.
- 3d. The amount of funded debt.
- 4th. The amount of floating debt.

AS TO COST OF ROAD AND EQUIPMENT.

- 5th. Cost of construction.
- 6th. Cost of right of way.
- 7th. Cost of equipment.
- 8th. All other items embraced in cost of road and equipment not embraced in three preceding questions.
- Total cost of road and equipment to this date.

AS TO CHARACTERISTICS OF THE ROAD, ETC.

- 9th. Length of single main track laid with iron.
- 10th. Length of double main track.
- 11th. Length of branches, stating whether they have single or double track.
- 12th. Aggregate length of sidings and other tracks not above enumerated.
- Total length of iron embraced in preceding heads.
- 13th. The maximum grade, with its length in main road, and also in branches.
- 14th. The shortest radius of curvature, with length of curve in main road, and also in branches.
- 15th. Total degrees of curvature in main road, and also in branches.
- 16th. Total length of straight line in main road, and also in branches.
- 17th. Number of wooden bridges, and aggregate length in feet.
- 18th. Number of iron bridges, and aggregate length in feet.
- 19th. Number of stone bridges, and aggregate length in feet.
- 20th. Number of wooden trestles, and aggregate length in feet.
- 21st. The greatest age of wooden bridges.
- 22d. The average age of wooden bridges.
- 23d. The greatest age of wooden trestles.
- 24th. The number and kind of new bridges built during the year, and length in feet.
- 25th. The length of road unfenced on either side, and the reason therefor.
- 26th. Number of engines.
- 27th. Number of passenger cars.
- 28th. Number of express and baggage cars.
- 29th. Number of freight cars.
- 30th. Number of other cars.
- 31st. The highest rate of speed allowed by express passenger trains when in motion.
- 32d. The highest rate of speed allowed by mail and accommodation trains when in motion.
- 33d. The highest rate of speed allowed by freight trains when in motion.
- 34th. The rate of fare for passengers charged for the respective classes per mile.
- 35th. The highest rate per ton per mile charged for the transportation of the various classes of freight, through and local.

DOINGS OF THE YEAR.

- 36th. The length of new iron laid during the year.
- 37th. The length of re-rolled iron laid during the year.
- 38th. The number of miles run by passenger trains.
- 39th. The number of miles run by freight trains.
- 40th. The number of passengers (all classes) carried in cars.
- 41st. The number of tons of through freight carried.
- 42d. The number of tons of local freight carried.

EARNINGS FOR THE YEAR.

43d. From transportation of passengers.

44th. From transportation of freight.

45th. From mail and express.

46th. From all other sources.

Total earnings for the year.

EXPENDITURES FOR THE YEAR.

47th. For construction and new equipment.

48th. For maintenance of way and structures.

49th. For maintaining and operating motive power and cars.

50th. For transportation expenses, including those of stations and trains.

51st. For dividends, rate *per cent.*, and amount.

52d. All other expenditures, either for management of road, maintenance of way, motive power and cars, and for other purposes.

Total expenditures during the year.

58th. The number and kind of farm animals killed, and amount of damages paid therefor.

59th. A statement of all casualties resulting in injuries to persons, and the extent and causes thereof, and such other and further information as may be required by the commissioner; but if any company shall be unable to furnish the required information, the reasons therefor shall be given. The commissioner shall prepare and furnish to each railroad company, or to each organization having one or more railroads in charge, and to each telegraph company or chief manager thereof in this state, or having lines in this state, blank forms for making the reports required by this act, which blanks may be so prepared by the commissioner as to obtain the information required by the foregoing inquiries more in detail, or omit such of a historical or permanent character as may have been given in previous reports.

SEC. 2. Section twelve of said act shall be so amended as to read as follows:

Section 12. It shall be the duty of the commissioner aforesaid to make to the governor, on or before the first day of January of each year, a full and accurate report of the condition and affairs of all the railroad and telegraph companies having lines in this state; also of all accidents resulting in injuries to persons and the roads upon which they occurred, and the circumstances and cause thereof, and such other information, suggestions and recommendations as he may deem of advantage to the state. The governor shall cause 2,000 copies of said report to be printed by the printer having the contract for this branch of the public printing, and lay the same before the general assembly in printed form; 600 copies of said report to be bound in muslin and suitably lettered on the back; 2 copies for the use of each member of the general assembly, and 200 copies for the commissioner, the remainder to be covered in brochure covers and distributed as follows: To the general assembly, 1,000 copies; to the commissioner, 300 copies; and the balance to be deposited in the state library for the use and distribution by the librarian, according to law or the resolution of the general assembly.

SEC. 3. The appointment of the clerk of the commissioner shall be evidenced by a certificate of the commissioner, and shall continue during the pleasure of the commissioner; and in the absence or disability of the commissioner, the clerk shall have power to issue subpoenas for witnesses and administer oaths in all cases pertaining to the duties of the office.

SEC. 4. Said original sections nine and twelve, amended by this act, are hereby repealed, and this act shall take effect and be in force from and after its passage.

B.

Acts passed in 1871 relating to railroads, with dates and page of Ohio laws, where the same may be found.

[1871. February 24. Page 30, vol 68.]

AN ACT

Authorizing the grant of the right of way to the Columbus, Springfield and Cincinnati Railroad Company, through certain lands belonging to the state, and the conveyance of part of said lands to said company.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That on the payment into the state treasury by the Columbus, Springfield and Cincinnati railroad company of the sum of twenty-four hundred dollars, the governor be and he is hereby authorized and required by proper deed to grant to said railroad company and its assigns a right of way, one hundred feet wide, for said railroad, through and over the tract of land in Franklin county, known as the old state quarry tract, entering said tract on its east line forty-two rods north of the line of the Columbus and Xenia railroad, and running in a course south of west in a direct line to the southwest corner of the lot known as the Soldiers' Home, and also through and over a tract of land in said county, purchased by the state from William S. Sullivan, for the Central Lunatic Asylum, entering said tract eighty rods eastwardly from the northwest corner of said tract, and running thence, by a curve, south of west to a point in the west line of said tract forty-five rods south of said northwest corner; and also to convey to said Columbus, Springfield and Cincinnati railroad company and assigns, so much of said last named tract as lies north of said right of way, estimated to contain seven and one-third acres.

SEC. 2. This act shall take effect and be in force from and after its passage.

[March 10. Page 35, vol. 68.]

AN ACT

To promote the safety of travelers upon "railways" in the state of Ohio.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That every railroad company conveying passengers in this state shall provide their passenger cars, in their trains, with a flexible or movable bridge or apron of the full width of the opening between the railings attached to the platforms of their cars, with side boards or net-work of strap iron or large wire, or other suitable material, at each side of said bridge or apron, of at least equal height with the ordinary railings upon said platforms, or some other apparatus or arrangement equally efficient, so as to enable passengers to pass from car to car with safety.

SEC. 2. Any railroad company not complying with the provisions of this act on or before the first day of September, 1871, shall be subject to a penalty of one hundred dollars for each and every day of such neglect, said penalty to be recovered in an action upon this statute, in the name of the state of Ohio, and paid into the state treasury.

SEC. 3. Nothing herein contained shall require any railroad company to provide an apron or bridge between the platform of any freight car and the platform of a passenger car attached to a freight train.

SEC. 4. It shall be the duty of the state railroad commissioner to see that the provisions of this act are enforced.

[April 26. Page 78, vol. 68.]

AN ACT

Regulating the charges for transportation of freight upon railroads within this state.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That it shall be unlawful for any corporation, company, person or persons, owning, controlling or operating a railroad, in whole or in part, within this state, to charge or receive for transportation of freight, for any distance within this state, a larger sum than is charged by the same corporation, company, person or persons, for the transportation, in the same direction, of freight of the same class or kind, for an equal or greater distance over the same railroad and connecting lines of railroad; and every such corporation, company, person or persons who shall violate or permit to be violated, the provisions of this act, shall forfeit and pay to the party aggrieved a sum equal to double the amount of the overcharge, but in no case shall the amount of the forfeiture be less than twenty-five dollars.

SEC. 2. This act shall take effect and be in force from and after its passage.

[April 26. Page 78, vol. 68.]

AN ACT

To amend section one (1) and to repeal sections two (2) and three (3) of an act entitled an act providing for inclosing Railroads by fences and cattle guards, passed and took effect March 25, 1859. (S. & C. p. 331 and 322)

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That section one (1) of the above recited act, be amended so as to read as follows:

Section 1. That any railroad company, or other party having the control or management of a railroad, the whole or part of which shall be located within this state, shall, and is hereby required, within one year after the passage of this act, or within one year after commencing to run cars thereon, for the transportation of passengers or freight, to construct and maintain good and sufficient fences on both sides of such roads or such part thereof as shall be in running order, and located within this state, and also, to make and maintain a sufficient number of suitable crossings, for the accommodation of

the public, and of persons living near the line of such railroad, together with the necessary cattle guards, to prevent cattle and other domestic animals from endangering themselves and the lives of passengers by getting upon such railroads; and such company shall be liable for all damages which may result to horses, cattle or other domestic animals, by reason of the want or insufficiency of such fences, road crossings or cattle guards, or by any carelessness or negligence of such company, party, agent or agents thereof; and no person shall ride, lead or drive any horse, cow or other domestic animal into such inclosure and upon such railroad track, under penalty of a fine, not exceeding ten dollars for every such offense, to be recovered by such corporation or party, in an action before a justice of the peace of the proper township, and the liability of all damages which may be thereby occasioned: Provided, that whenever such railroad shall pass along the boundary of any inclosed farm or farms, separating such farm or farms from the lands of any other person or persons, the proprietor or proprietors of such inclosed farm or farms is hereby required to construct and keep in repair one-half of the fence along such farm boundary as is necessary to partition said inclosed farms from the railroads, and the construction and repair of the same may be enforced in the same manner as are the partition fences between two or more individual boundaries: Provided further, that any person or persons desiring a private crossing or crossings, and cattle guards, as contemplated by this act, shall be responsible for one-half the expense of constructing the same. And, provided further, that nothing herein shall be construed to extend the time within which any existing railroad company, or other party, is required to fence its railroad by the act hereby amended: Provided, that this act shall not apply to any case in which compensation for building fence or fences was taken into consideration, and paid for as part of the sum paid for right of way.

SEC. 2. That sections one, two and three of the above recited act be and the same are hereby repealed.

SEC. 3. This act shall take effect and be in force from and after its passage.

[May 1. Page 106, vol. 68.]

AN ACT

To regulate the transportation, manufacture and storage of Nitro-Glycerine in the State of Ohio.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio*, That it shall be unlawful to transport or carry the substance or material generally known and called nitro-glycerine, into, out of, within, through or across this state, except as herein provided. Every wagon, cart or other vehicle used in carrying nitro-glycerine, shall have printed upon both sides and ends thereof, in plain and distinct letters, large enough to occupy a space of two inches wide by eighteen inches long, the words "nitro-glycerine"—"dangerous;" and every package, can, cask, barrel or box containing nitro-glycerine shall have written or printed thereon, upon two sides thereof, in plain and distinct letters, the words "nitro-glycerine"—"dangerous."

SEC. 2. Every railroad, stage coach, steamship, vessel or other water-craft within this state, whose business it is to carry passengers, or who shall at the time be engaged in carrying passengers, are hereby prohibited from carrying or having on board thereof nitro-glycerine; and it shall be unlawful for any person, persons or company to permit

any passenger to ride on any conveyance, as aforesaid, that has on board thereof any of the substance or material aforesaid.

SEC. 3. It shall be unlawful for any person or persons to manufacture nitro-glycerine within this state, within a distance of one hundred and sixty rods of any occupied dwelling or public building, or to store the same in any quantity exceeding one hundred pounds within the limits of any city or incorporated village, or in any other place within one hundred and sixty rods of any occupied dwelling or public building.

SEC. 4. Any person or persons knowingly offending against the provisions of this act, shall be deemed guilty of a crime, and on conviction thereof, shall pay a fine not exceeding one thousand dollars, or be imprisoned in the county jail not more than three months, or both, at the discretion of the court.

SEC. 5. This act shall be in force from its passage.

[May 2. Page 129, vol. 68.]

AN ACT

Supplementary to "an act to provide for the creation and regulation of incorporated companies in the State of Ohio," passed May 1, 1852.

SECTION 1. *Be it enacted by the General Assembly of the State of Ohio,* That whenever any railroad company heretofore incorporated, or which may hereafter be incorporated, the line of whose railway has not been finally located in whole or in part, by resolution of the board of directors, shall find it necessary in order to avoid dangerous or difficult curves or grades, or dangerous or unsubstantial grounds or foundations, or for other reasonable cause, to pass through the territory of any county not named in the original certificate of incorporation, the president and directors of such railway company, or a majority of them, shall, under their hands and seals, make a certificate declaring such necessity or cause, and naming the county or counties through which it may be necessary to pass, which certificate shall be acknowledged before a justice of the peace and certified by the clerk of the court of common pleas, said certificate shall be forwarded to the secretary of state and filed and preserved in his office as provided by law for original certificates of incorporation; and a copy of such certificate, certified by the secretary of state under the great seal of the state, shall be evidence of the facts therein stated; provided that nothing herein shall be construed so as to authorize the abandonment of any part of such company's line as may have been finally located; and provided further, that nothing in this act shall be construed so as to authorize a change in the general route or terminal points named in the original certificate of incorporation.

SEC. 2. This act shall be in force from and after its passage.

